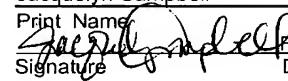


FIG.1

I certify that this document was submitted to the U.S. Patent and Trademark Office using U.S. Express Mail # EL923484743US

Jacquelyn Campbell

Print Name



Signature

February 26, 2002
Date

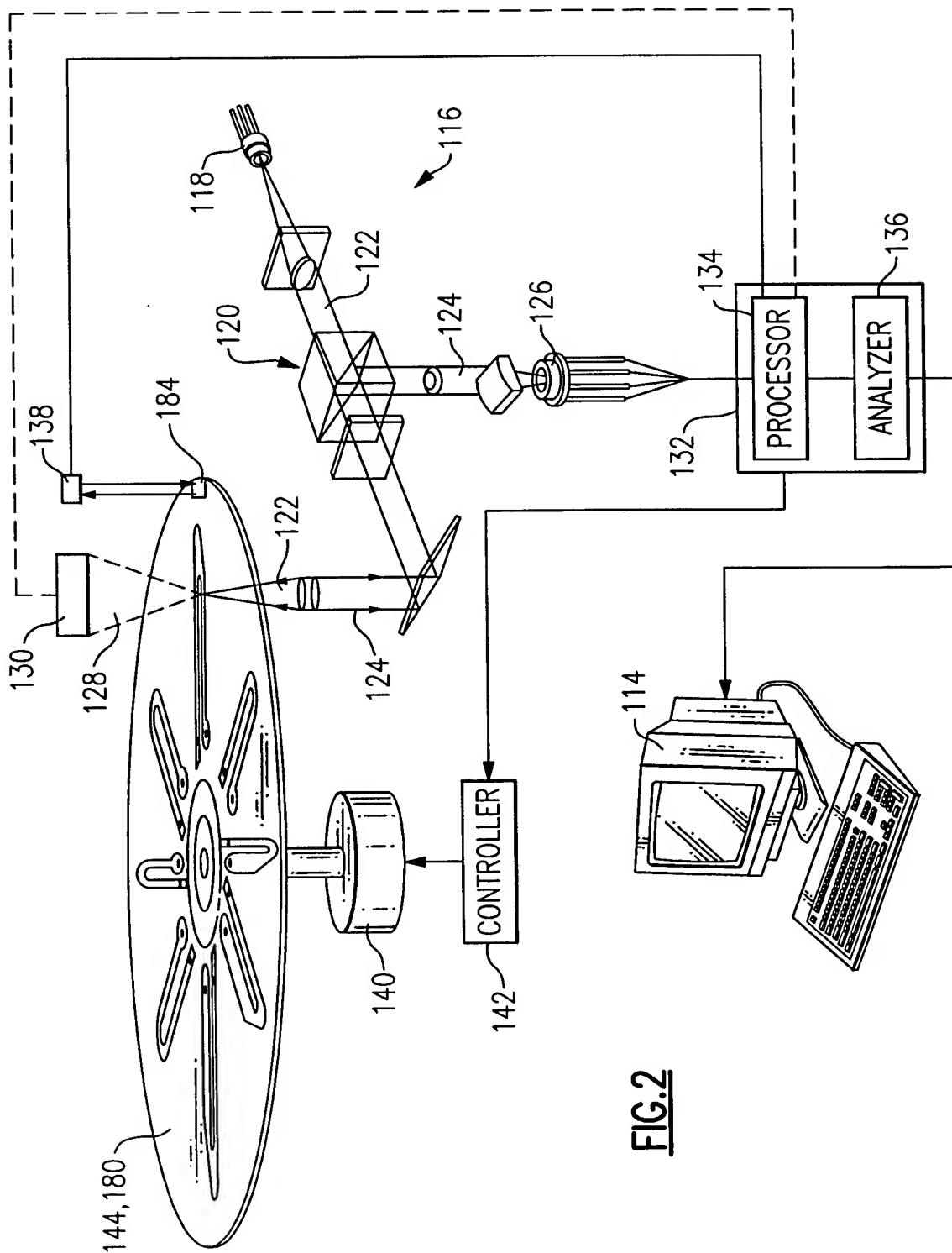
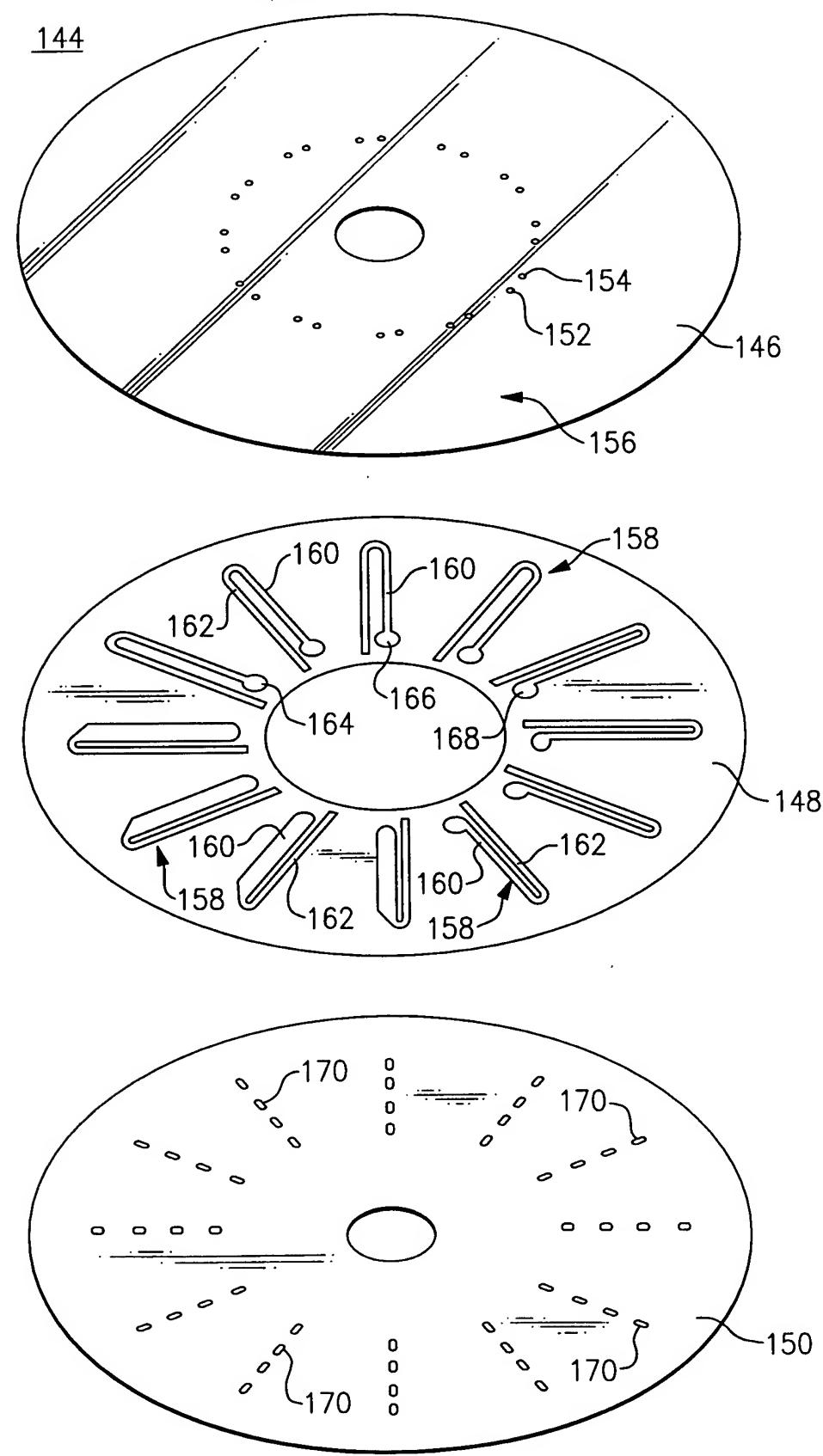


FIG.2

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FIG.3A



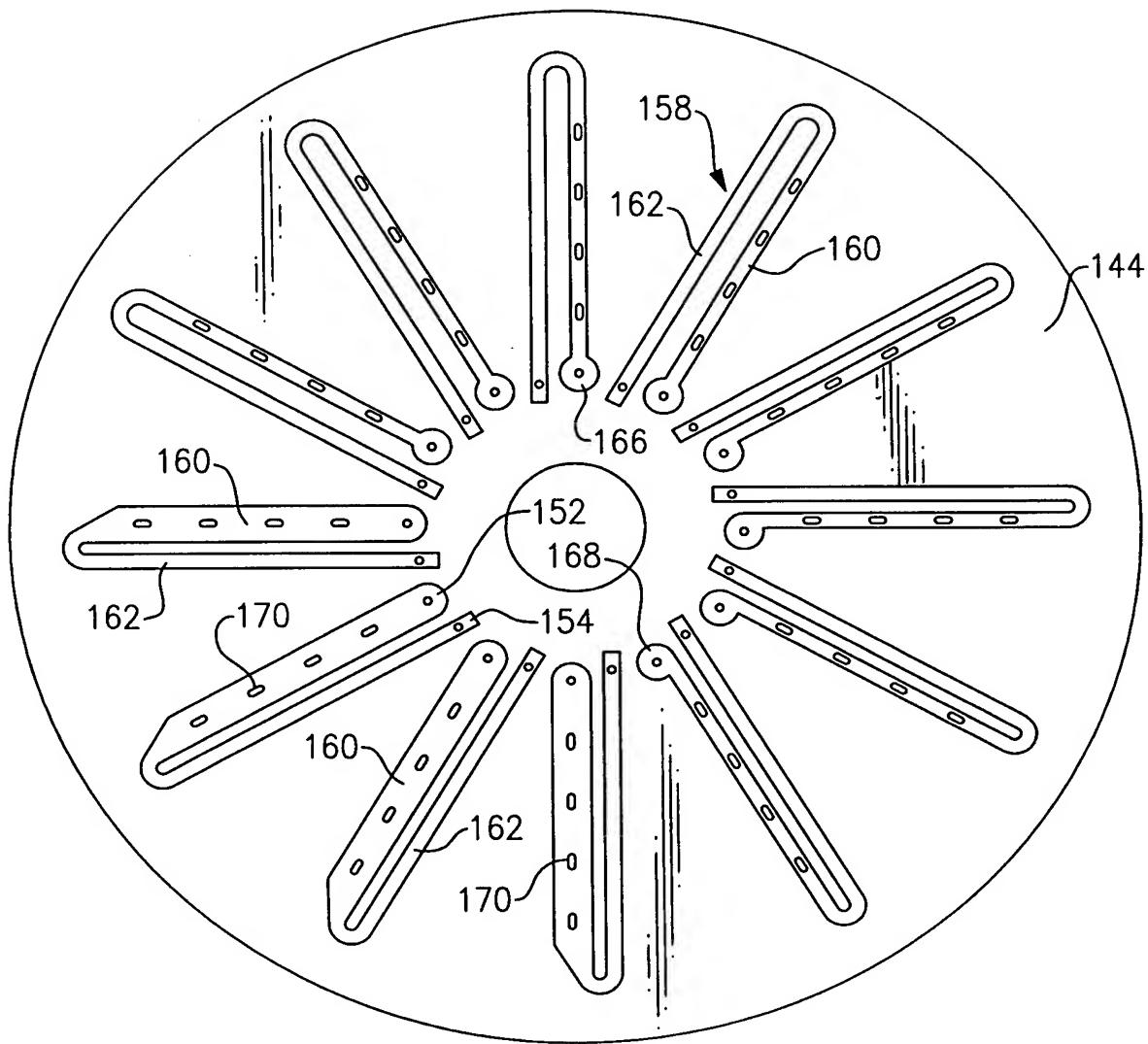


FIG.3B

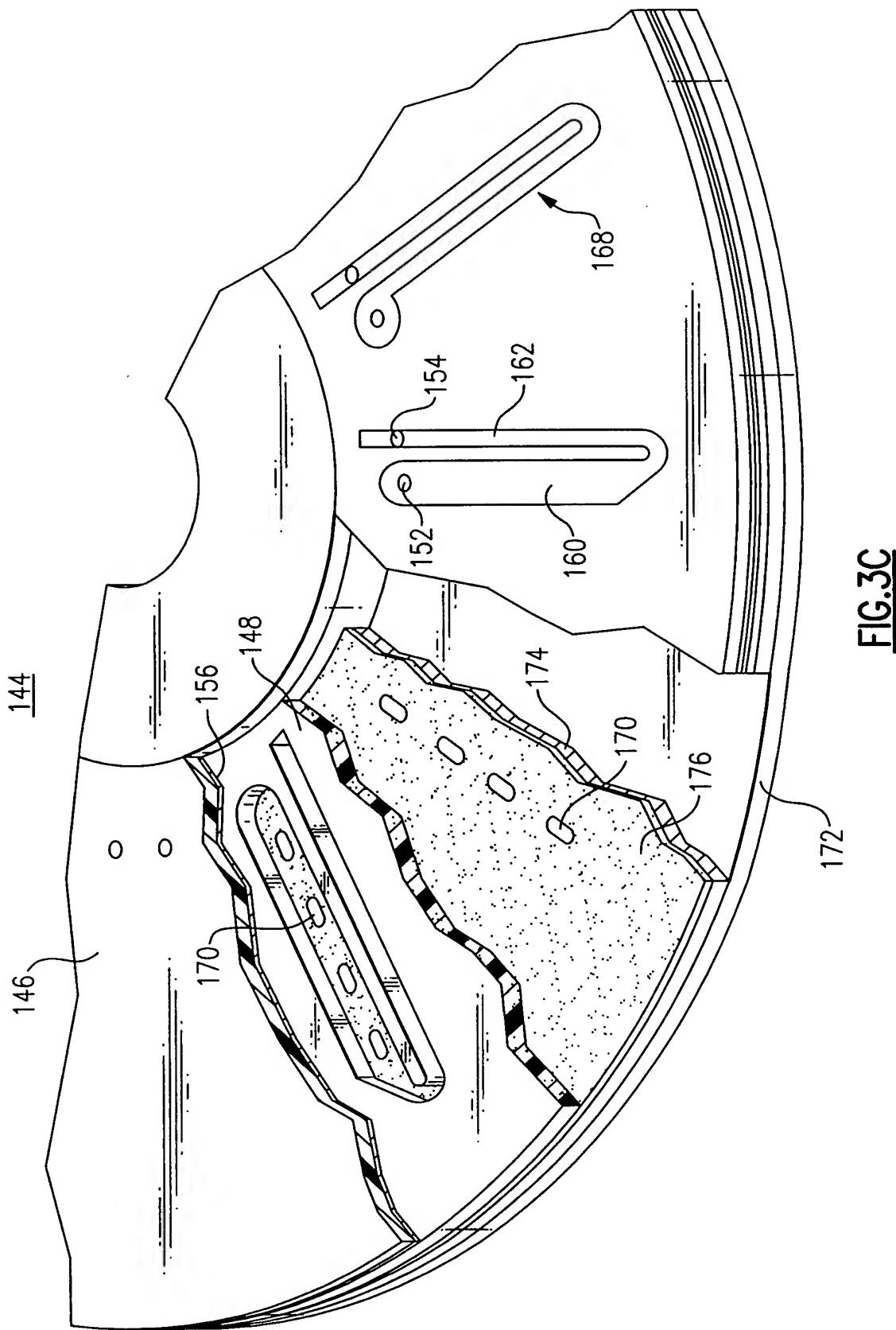
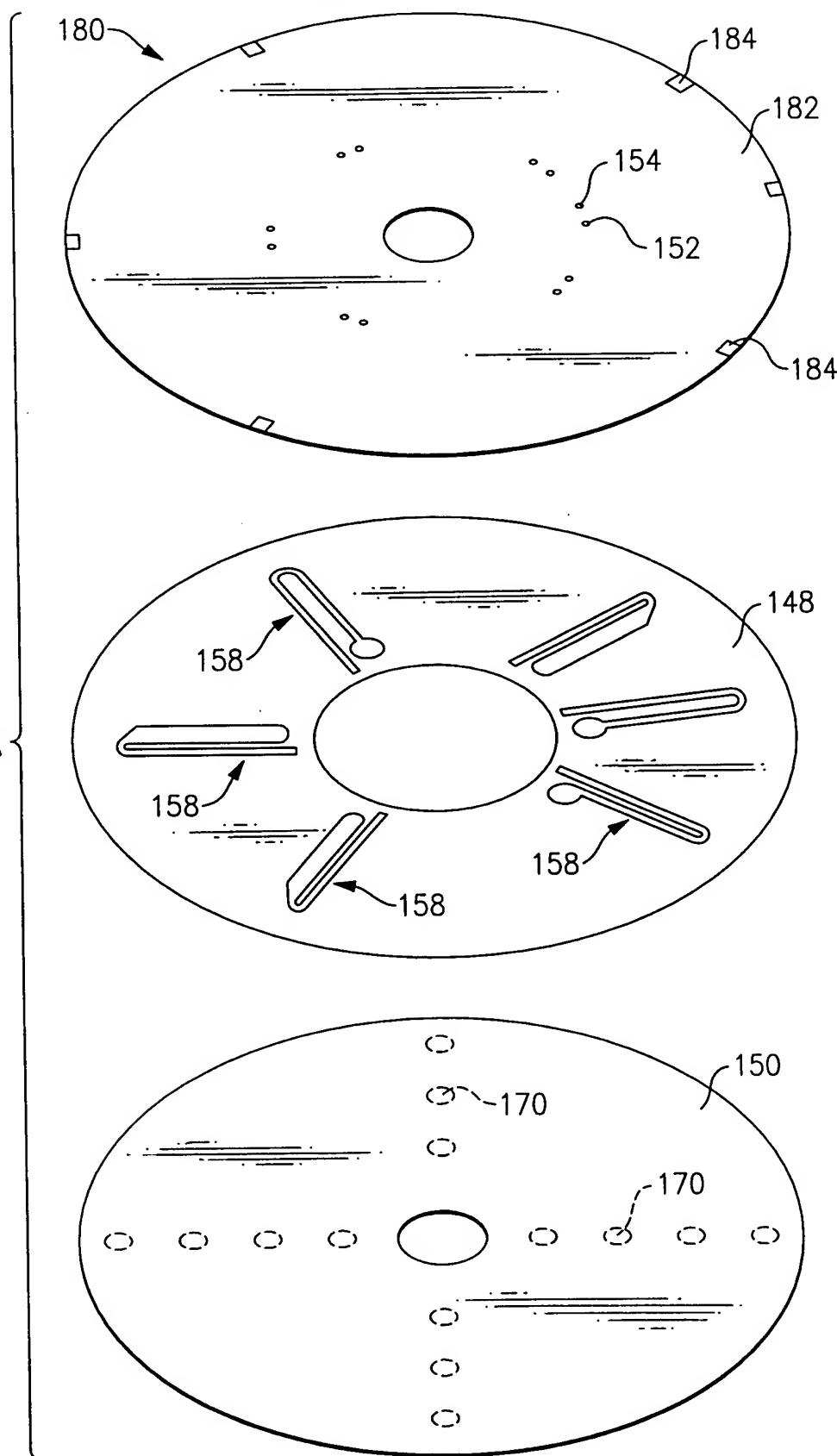


FIG.3C

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FIG.4A



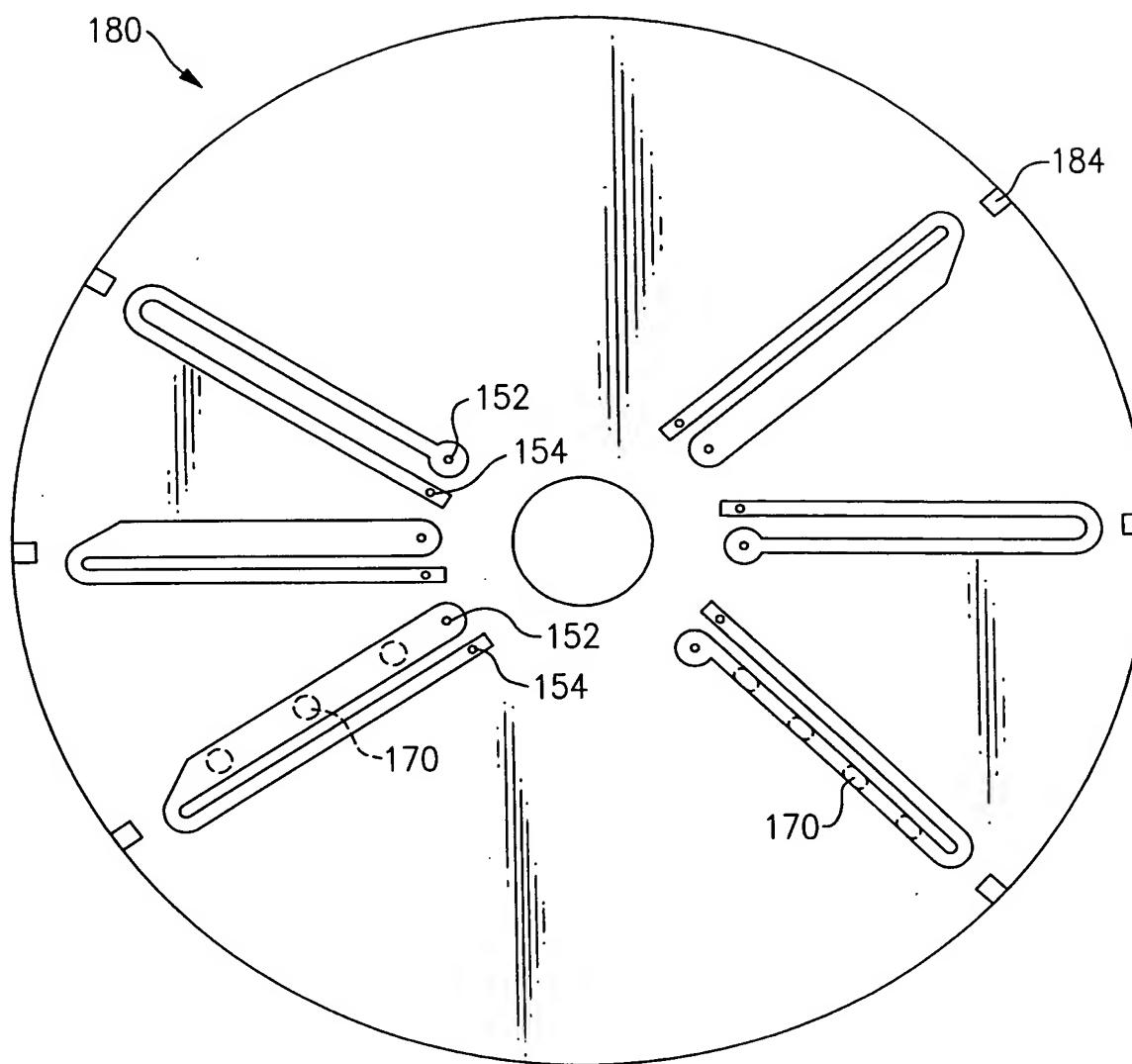


FIG.4B

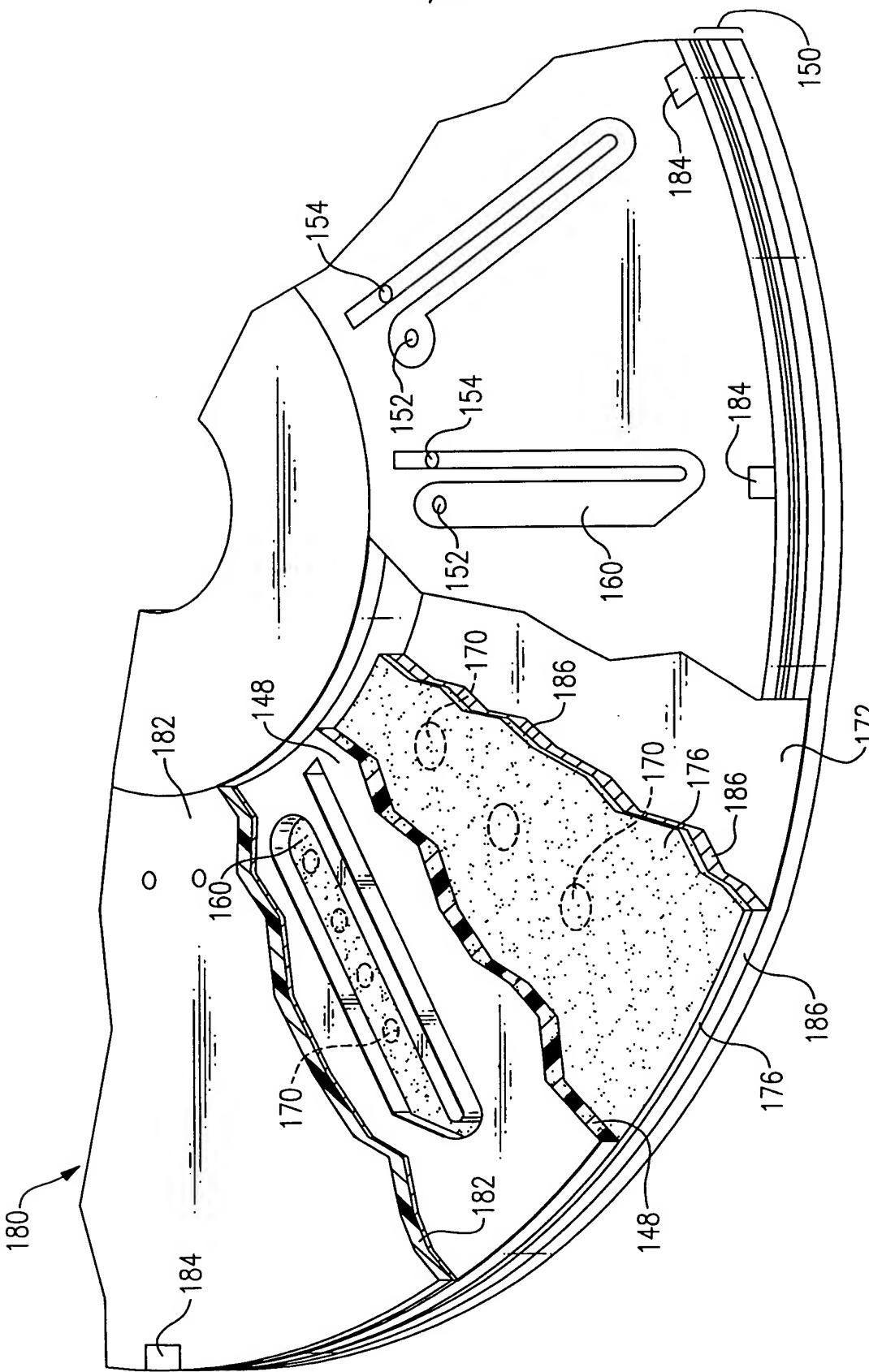


FIG.4C

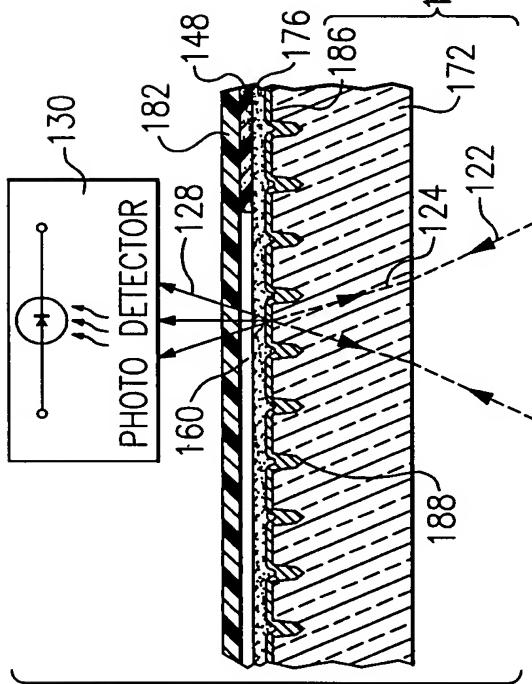


FIG.5B

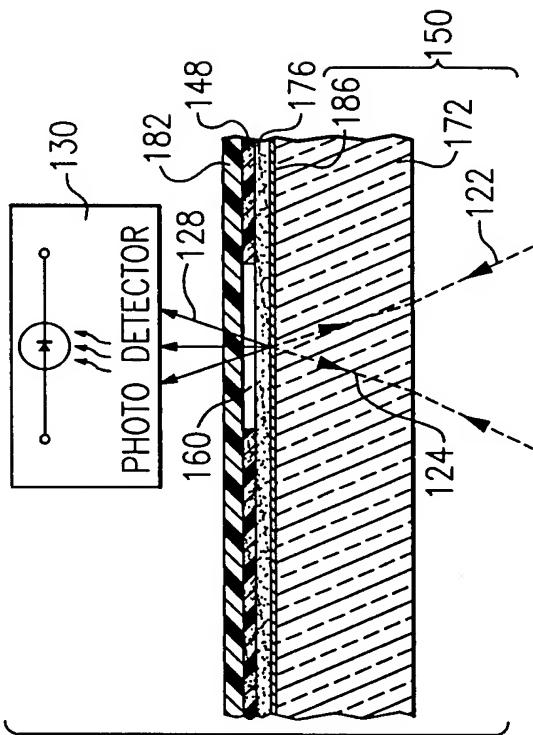


FIG.6B

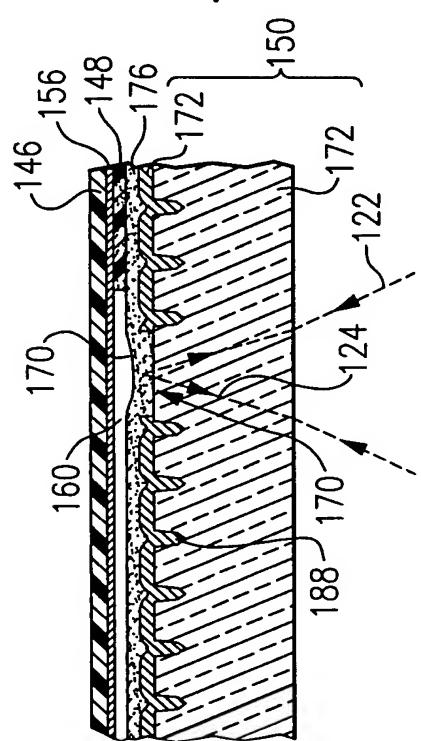


FIG.5A

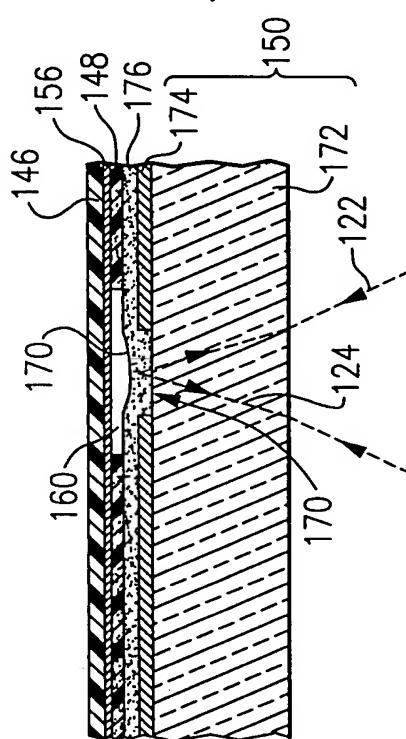


FIG.6A

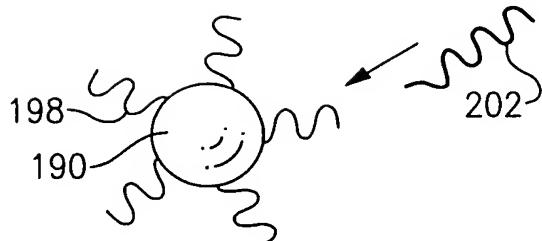


FIG.7A

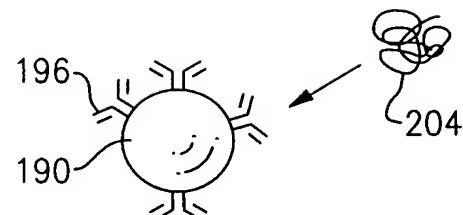


FIG.7B

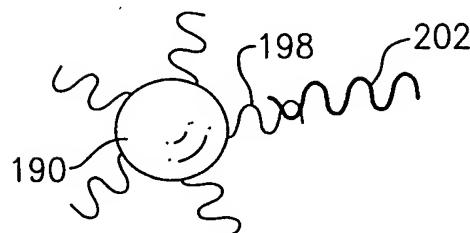


FIG.8A

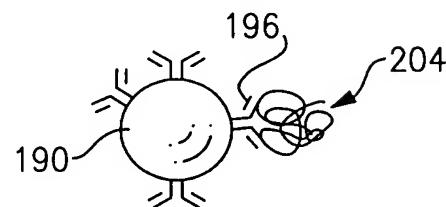


FIG.8B

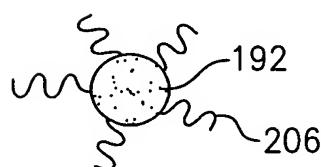


FIG.9A

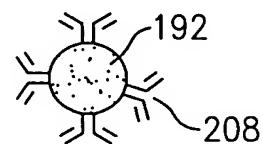


FIG.9B

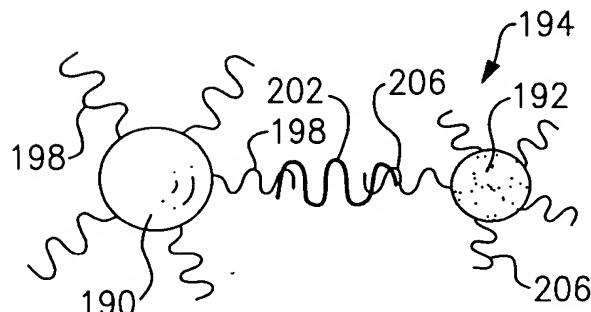


FIG.10A

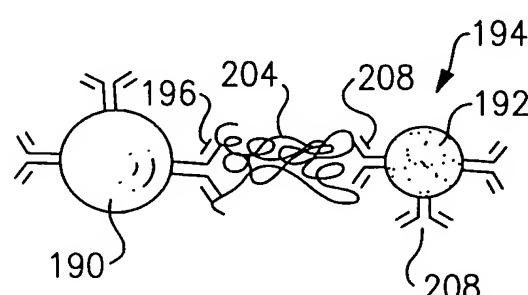


FIG.10B

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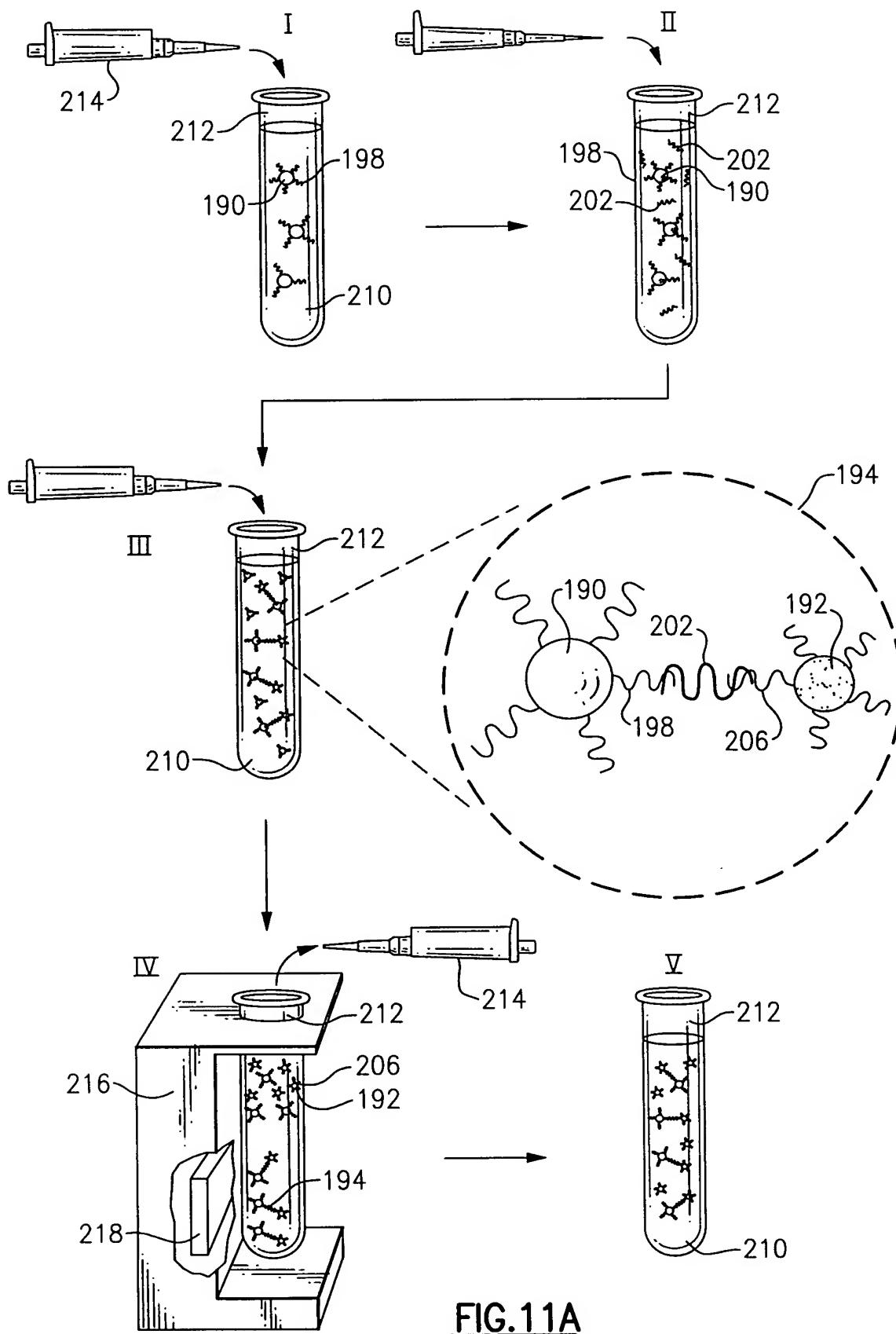


FIG.11A

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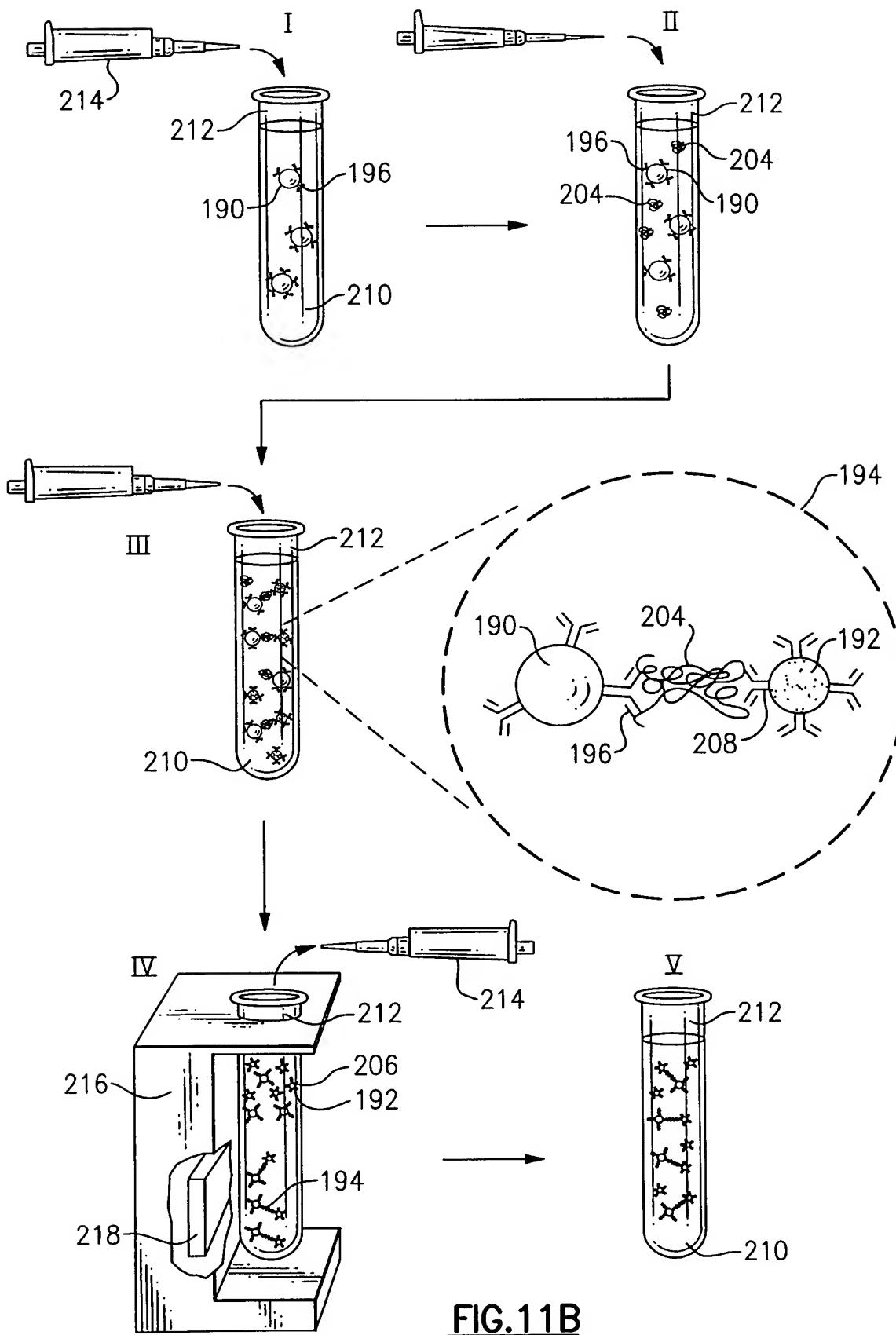


FIG.11B

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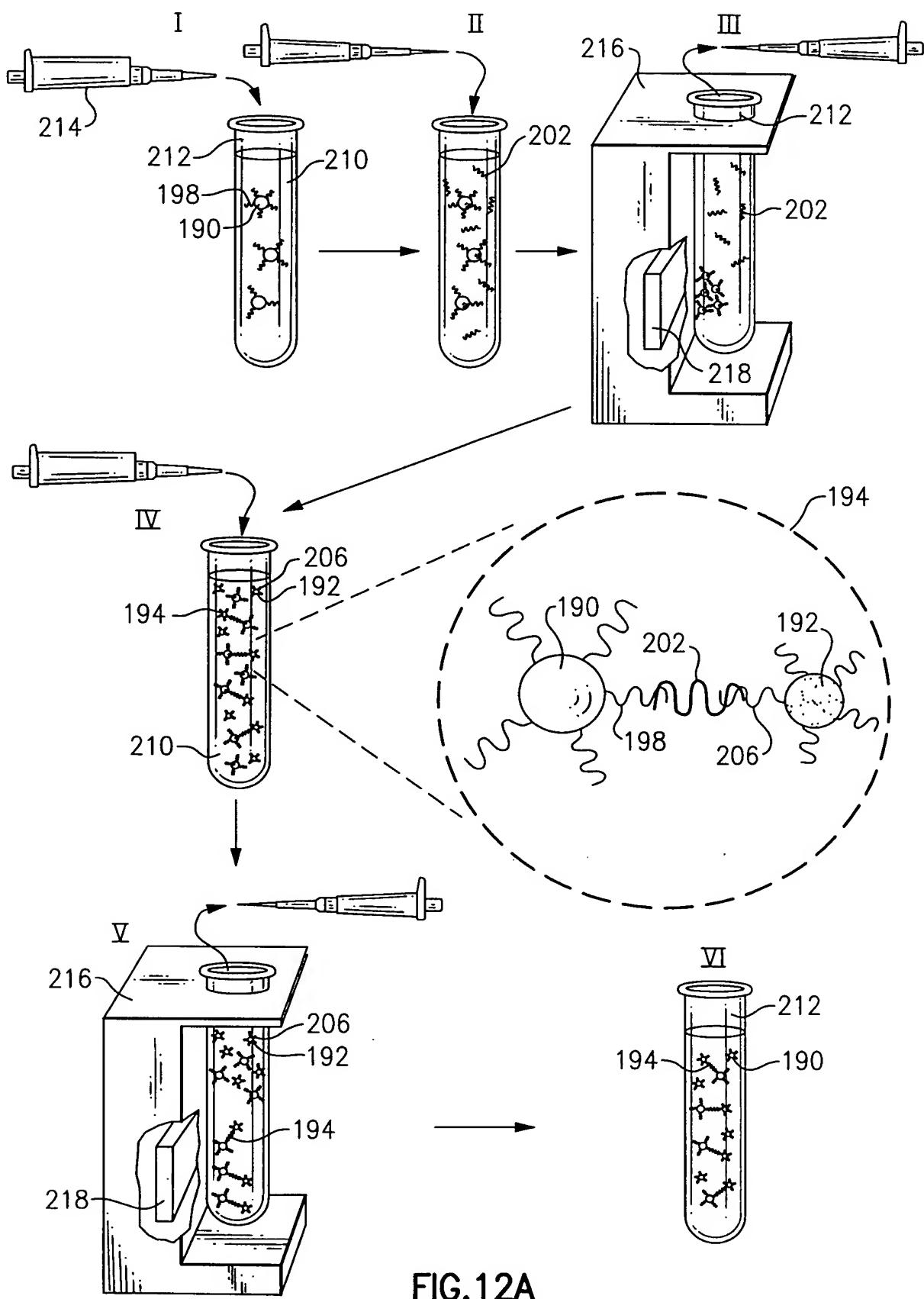


FIG.12A

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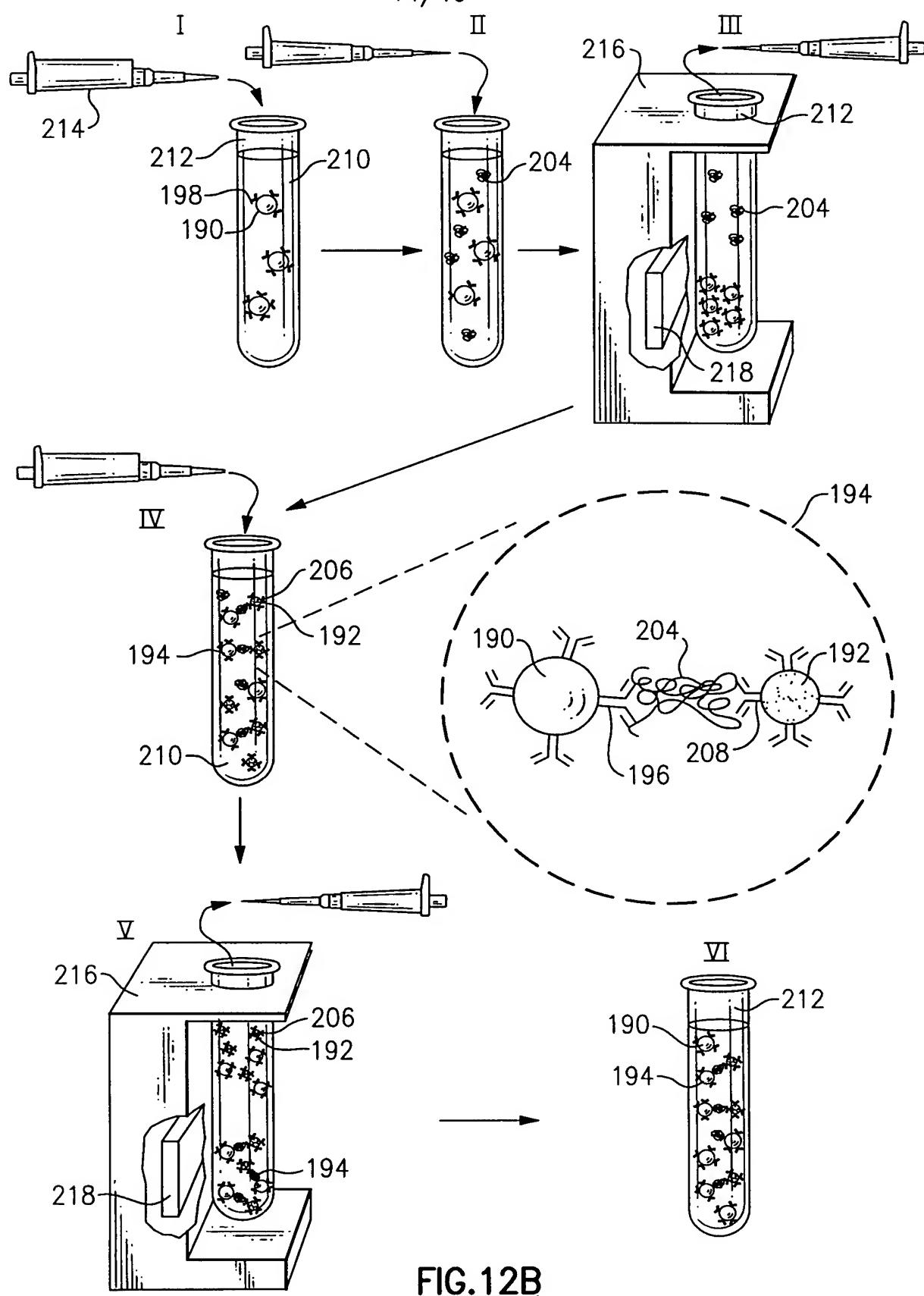


FIG.12B

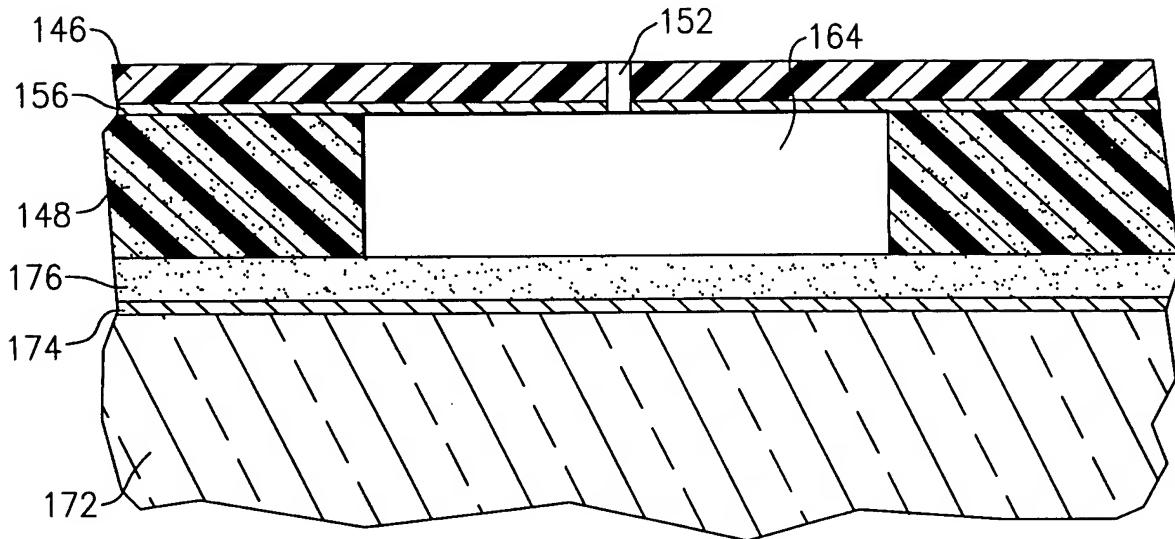


FIG.13

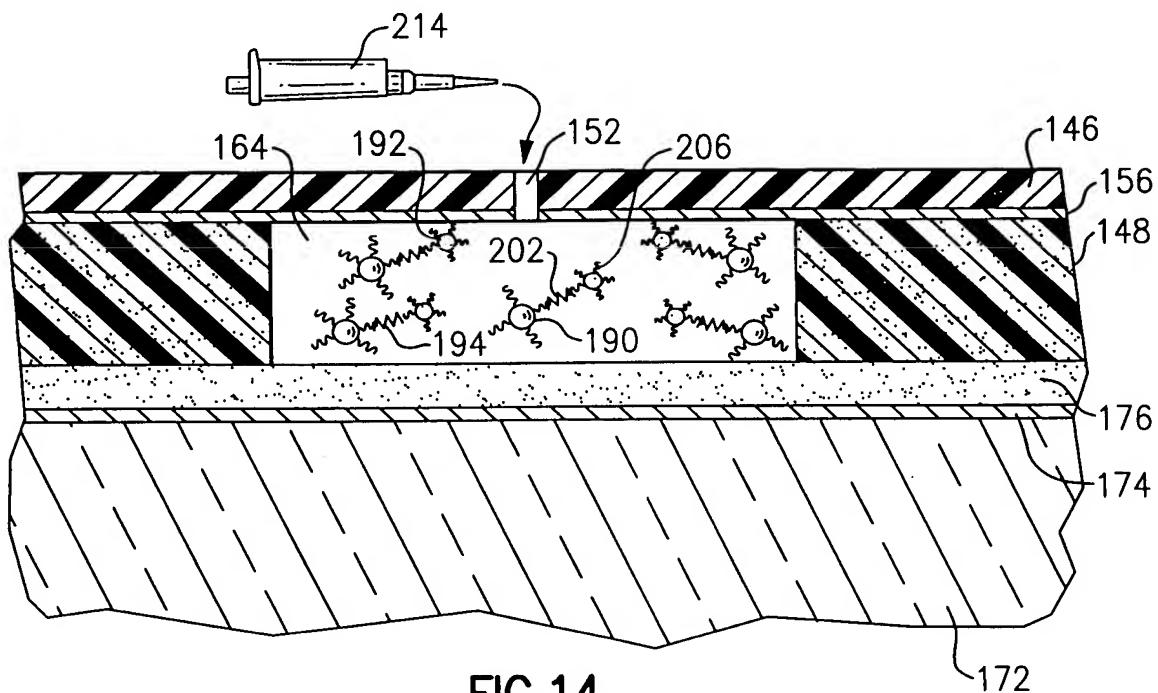


FIG.14

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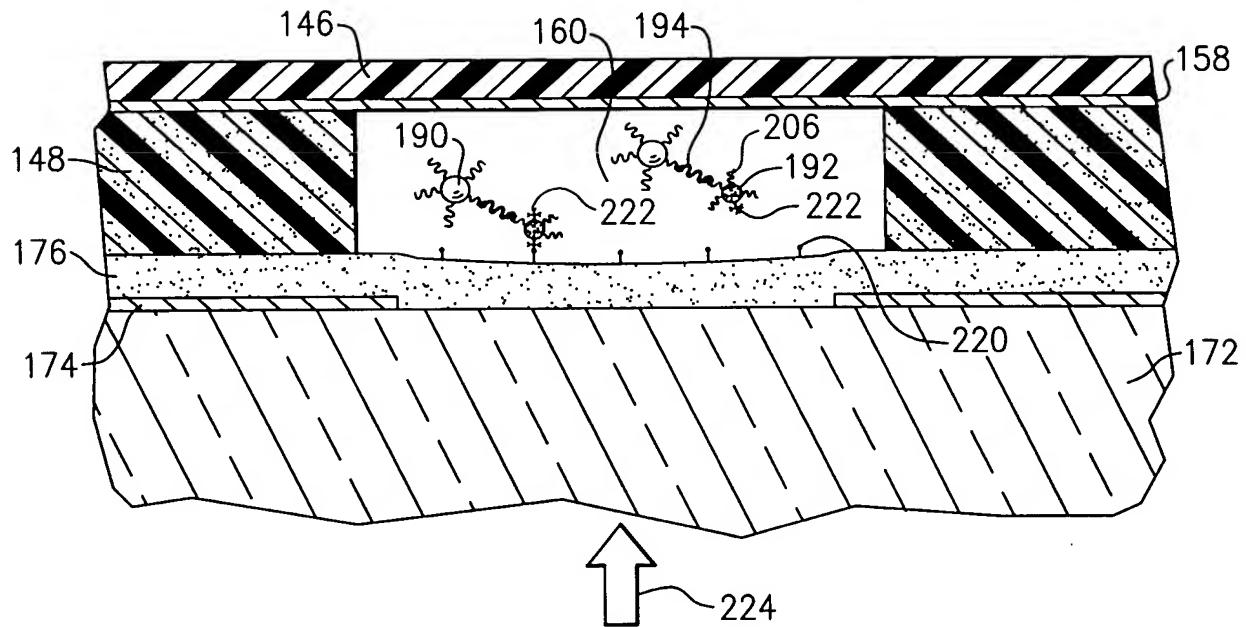


FIG.15A

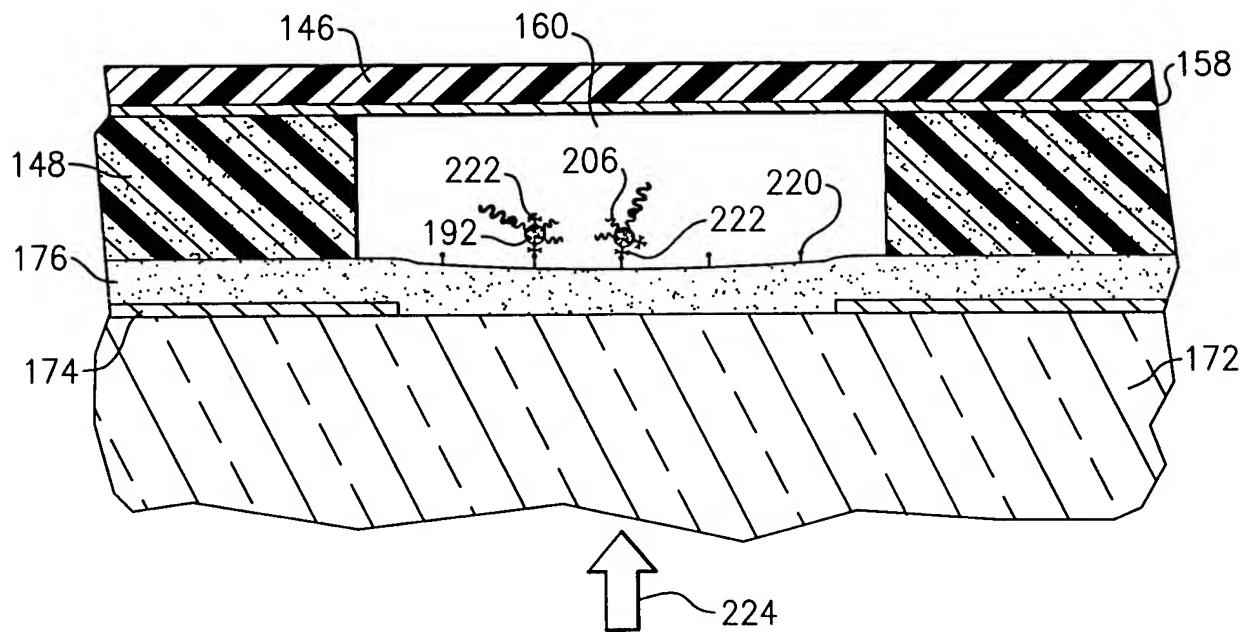


FIG.15B

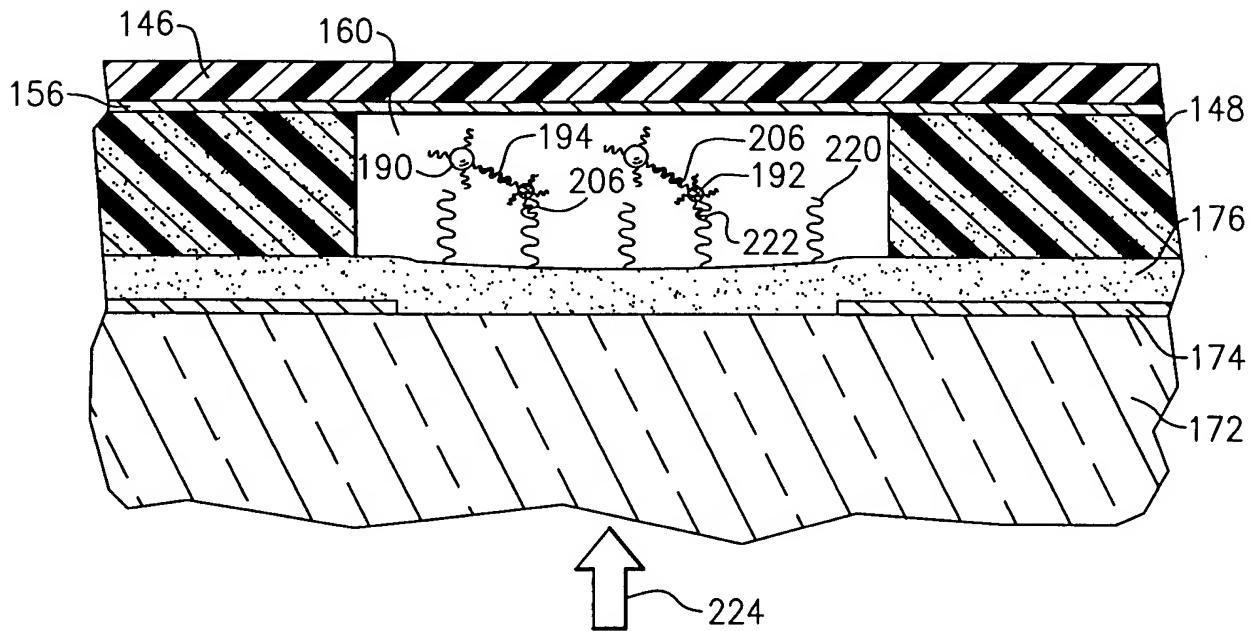


FIG.16A

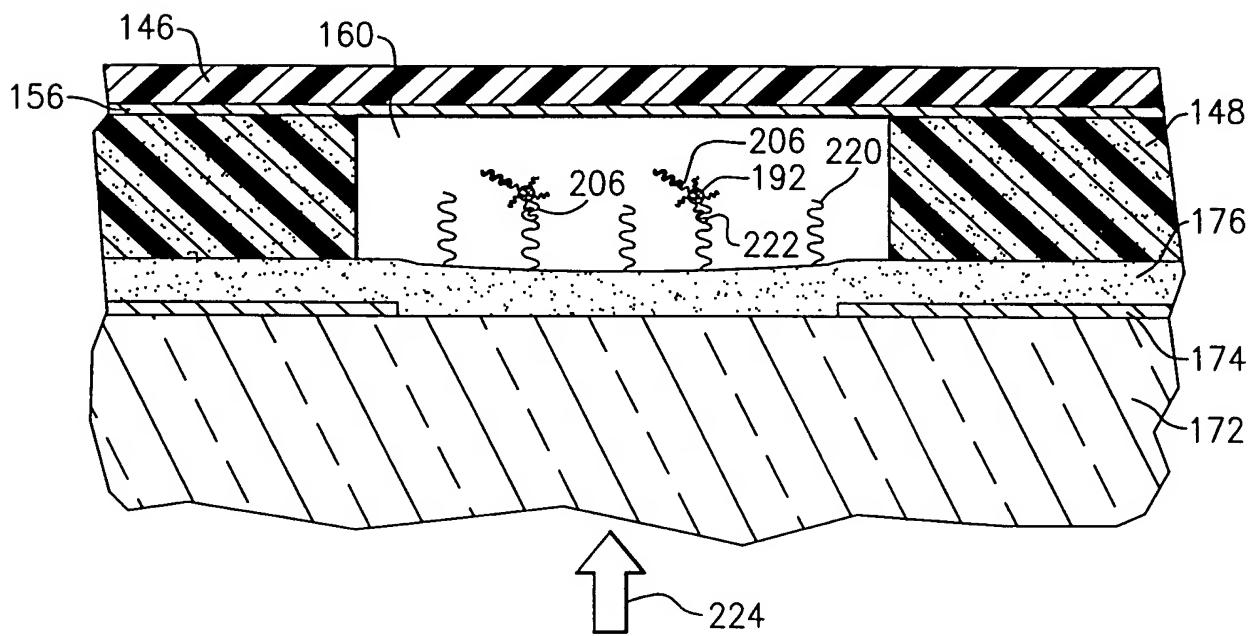


FIG.16B

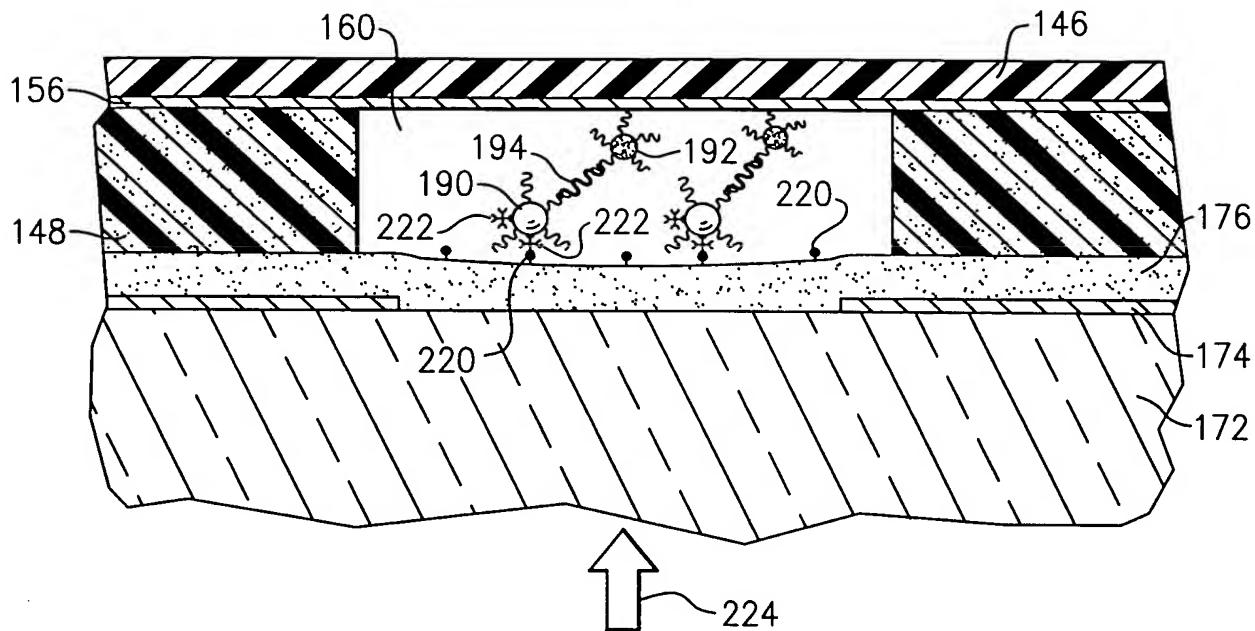


FIG.17

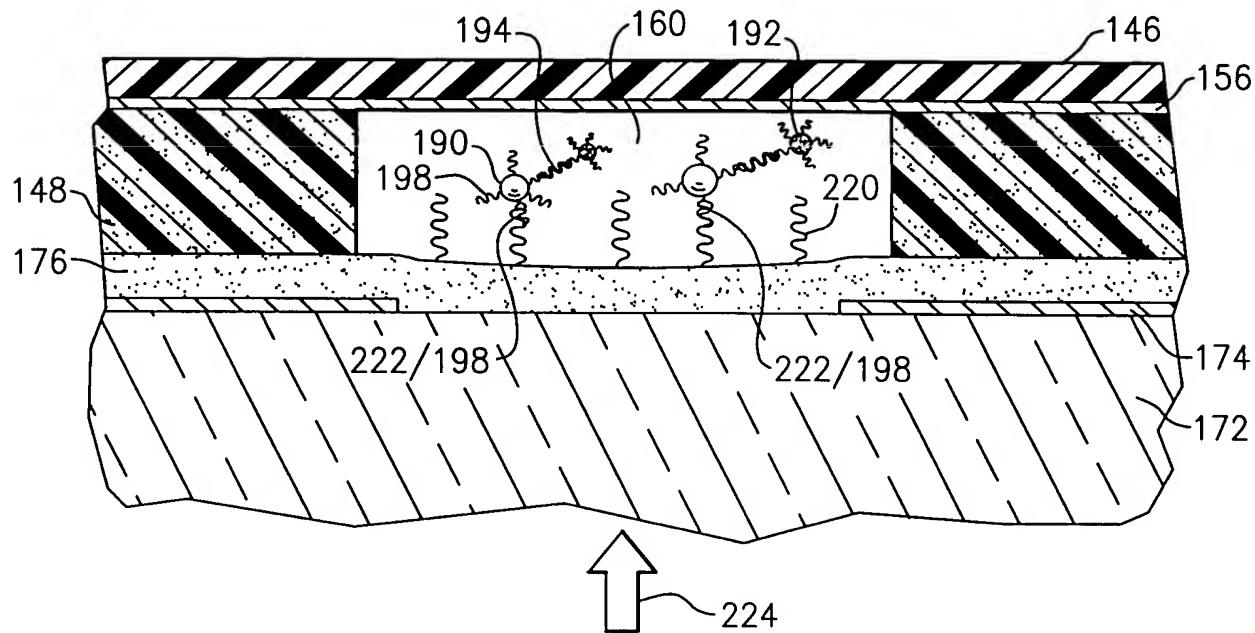


FIG.18

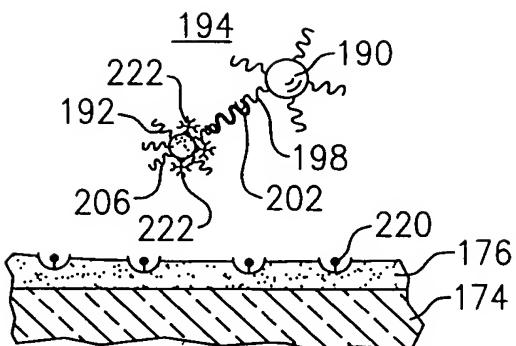


FIG.19A

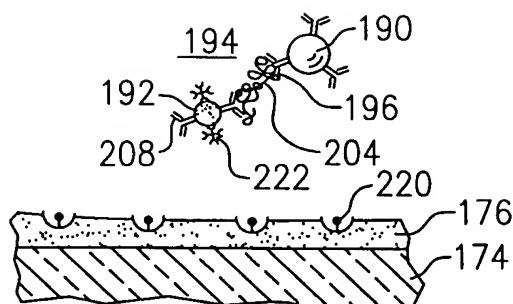


FIG.20A

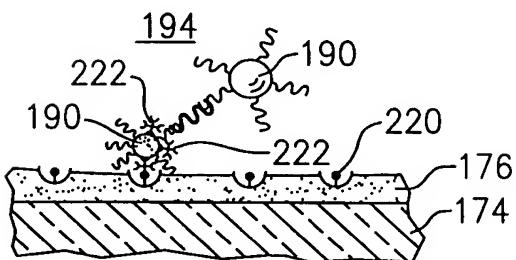


FIG.19B

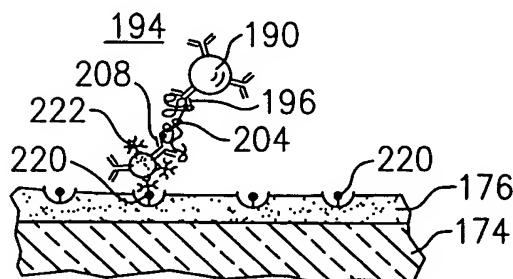


FIG.20B

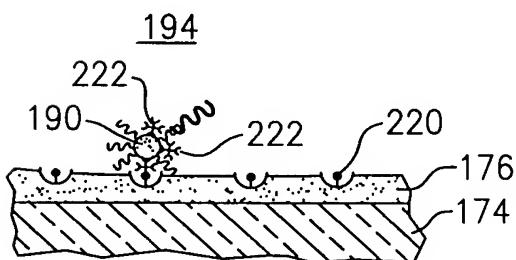


FIG.19C

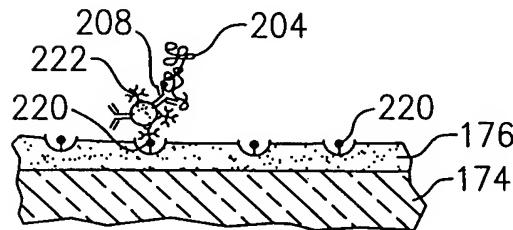


FIG.20C

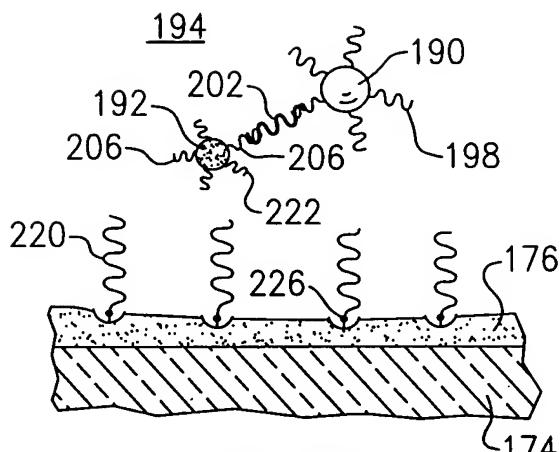


FIG.21A

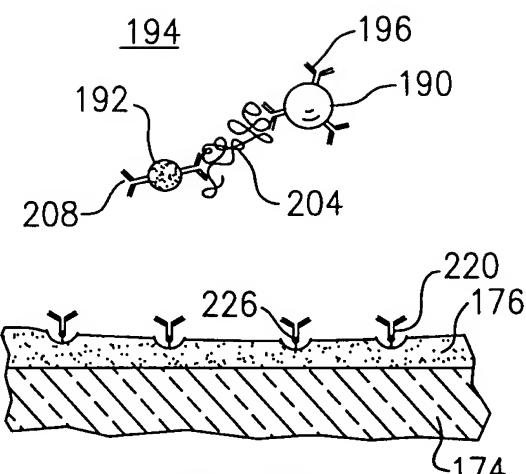


FIG.22A

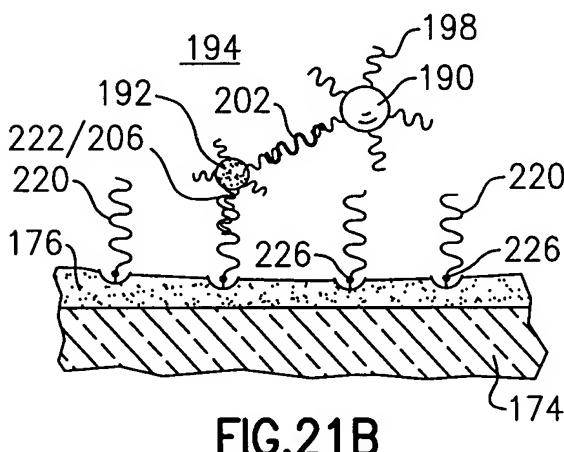


FIG.21B

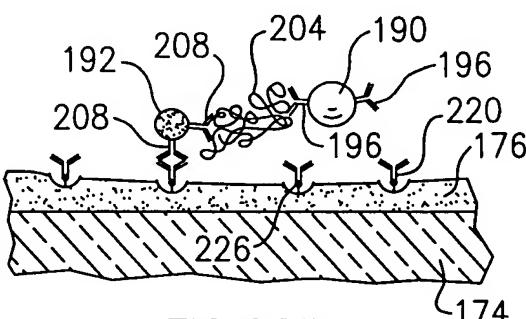


FIG.22B

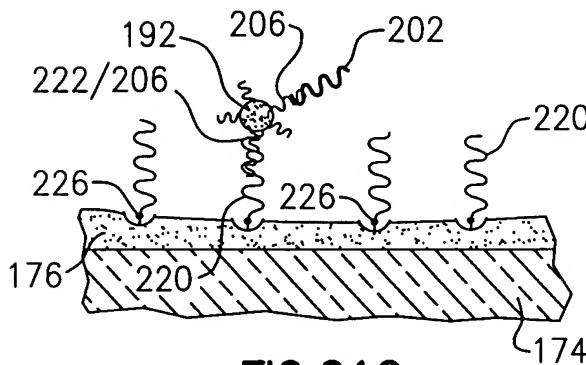


FIG.21C

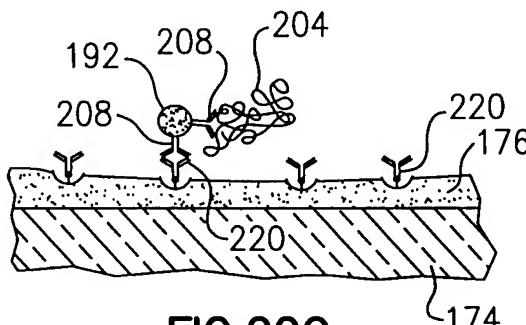


FIG.22C

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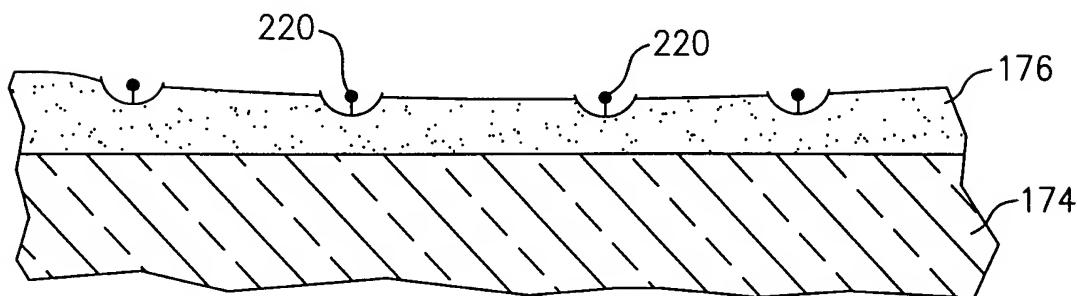
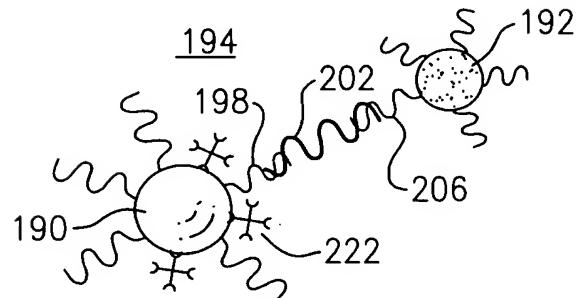


FIG.23A

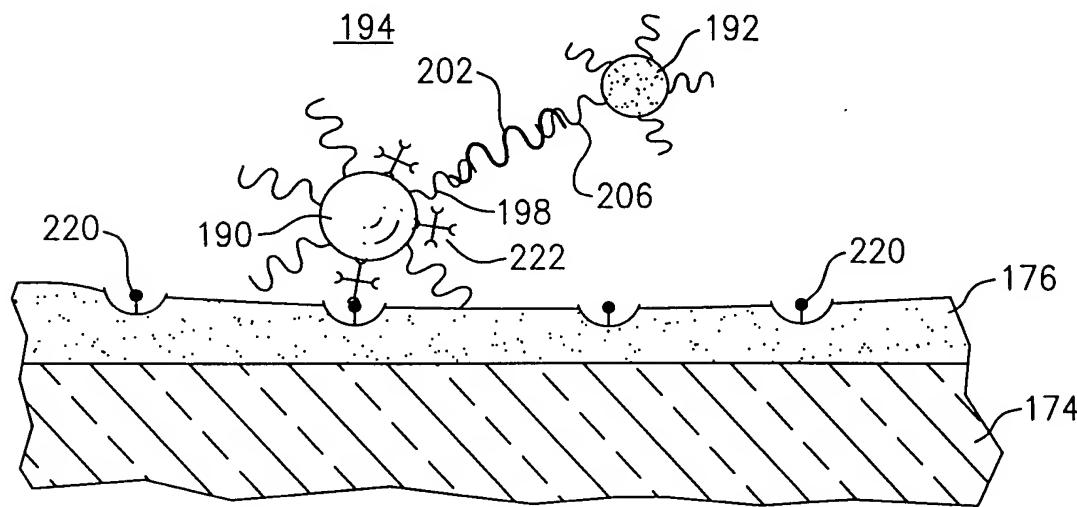


FIG.23B

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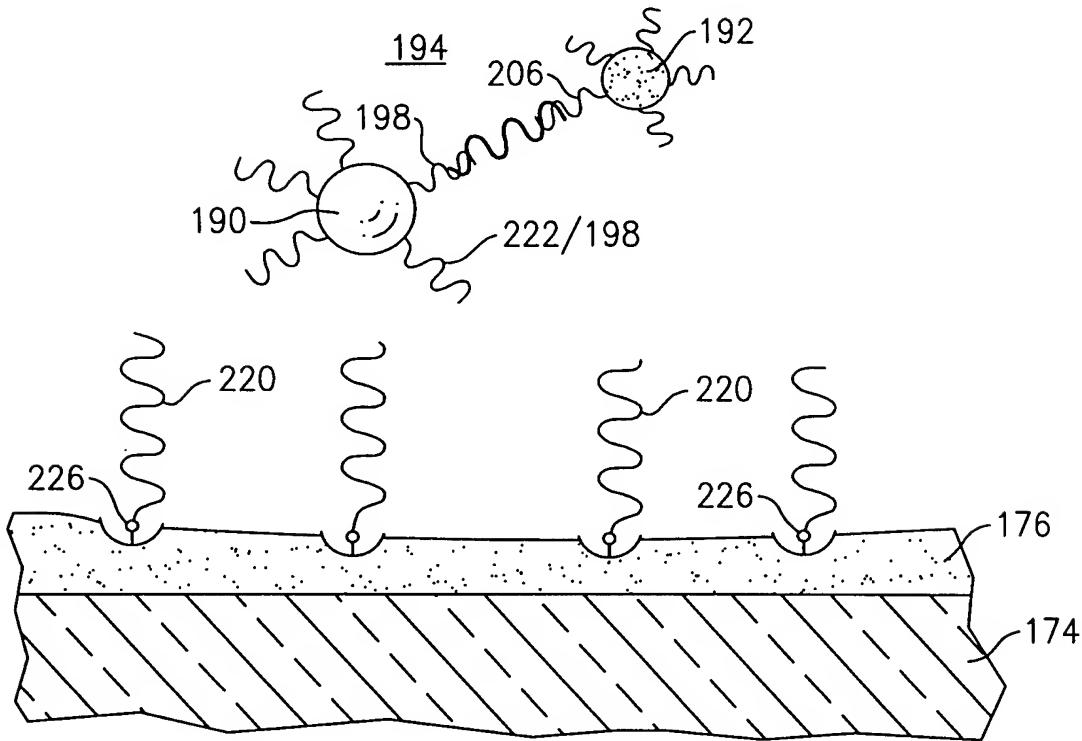


FIG.24A

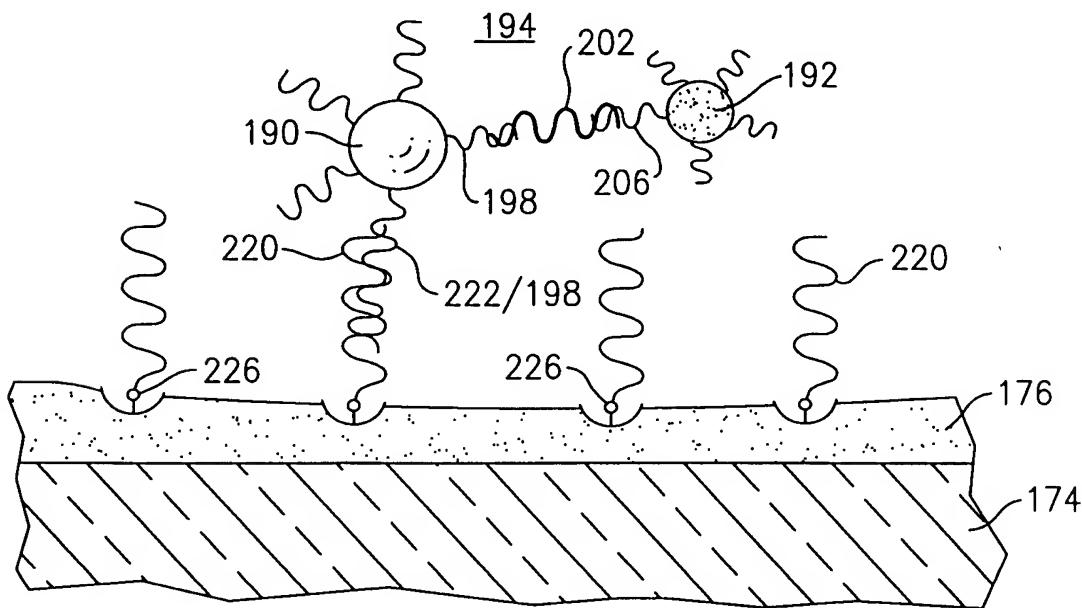


FIG.24B

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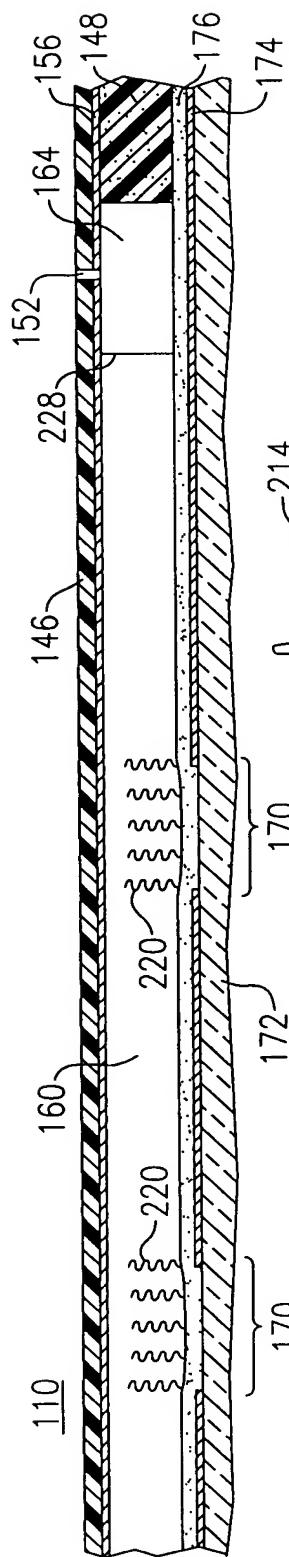


FIG. 25A

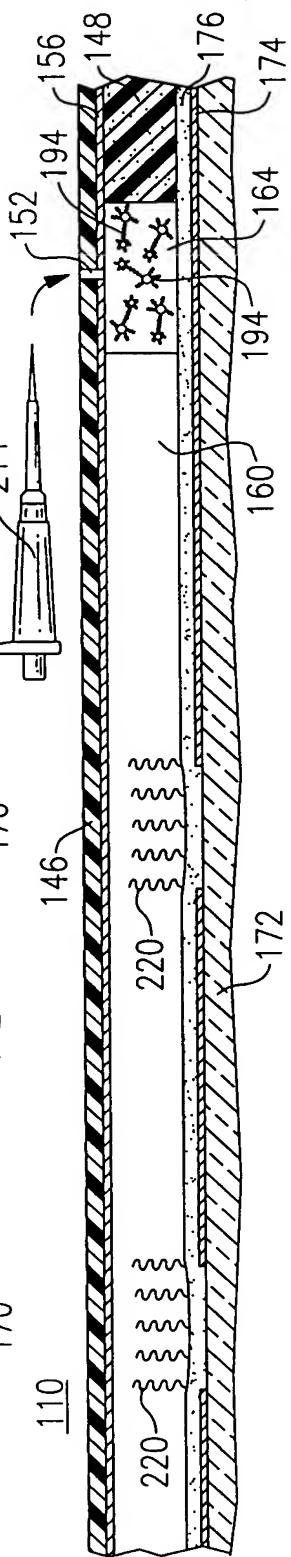


FIG. 25B

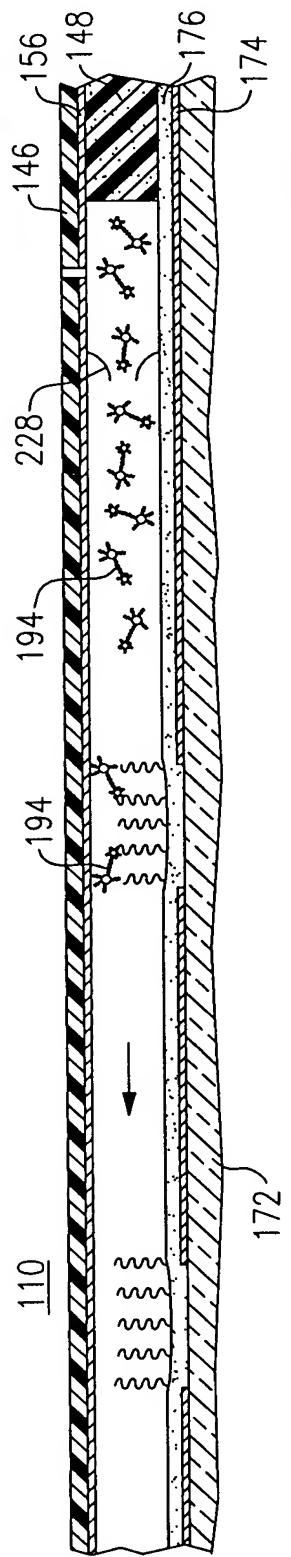


FIG. 25C

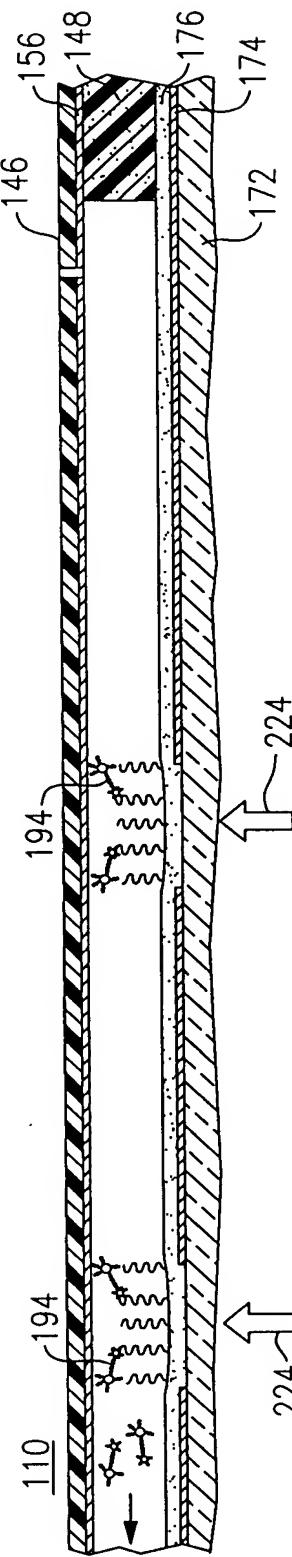


FIG. 25D

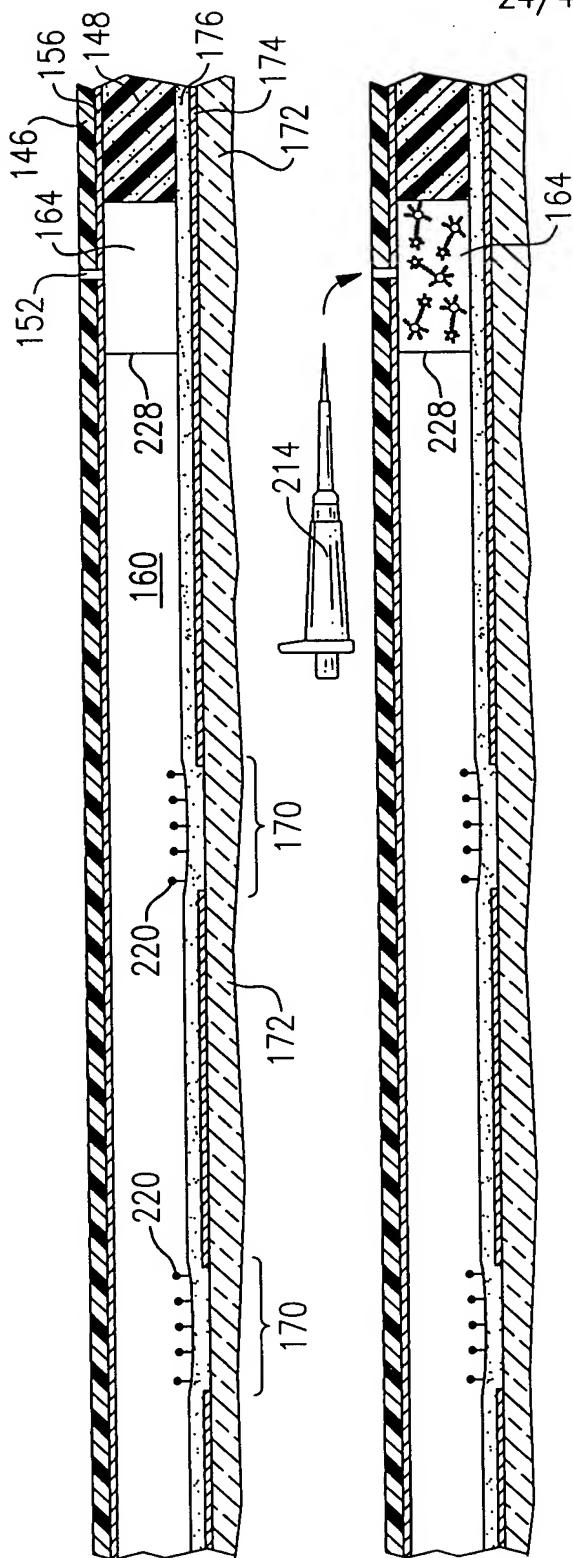


FIG.26A

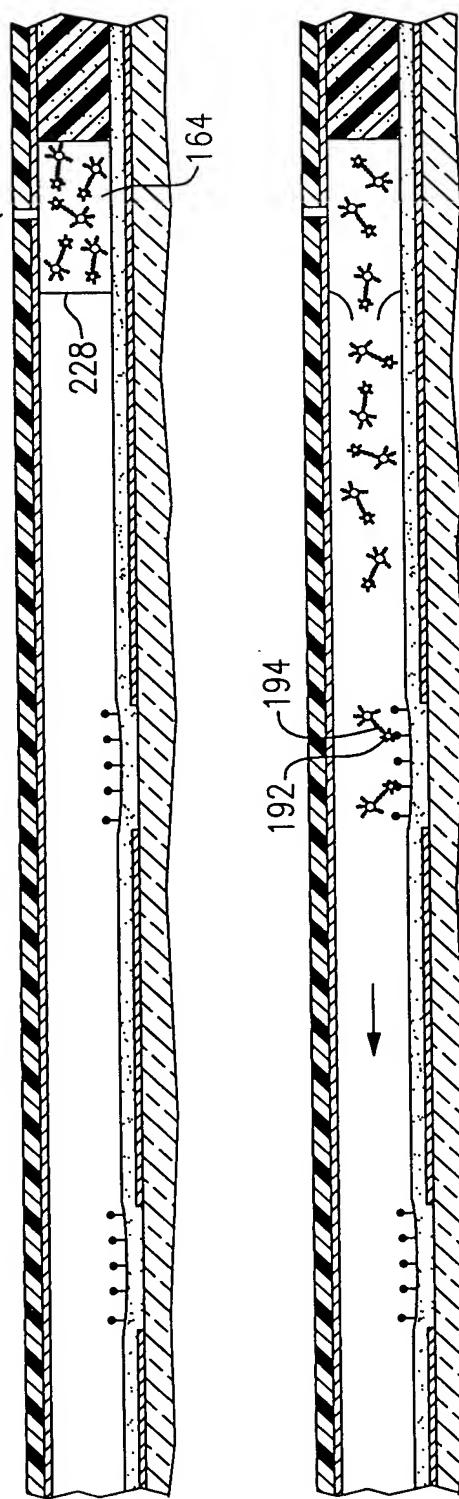


FIG.26B

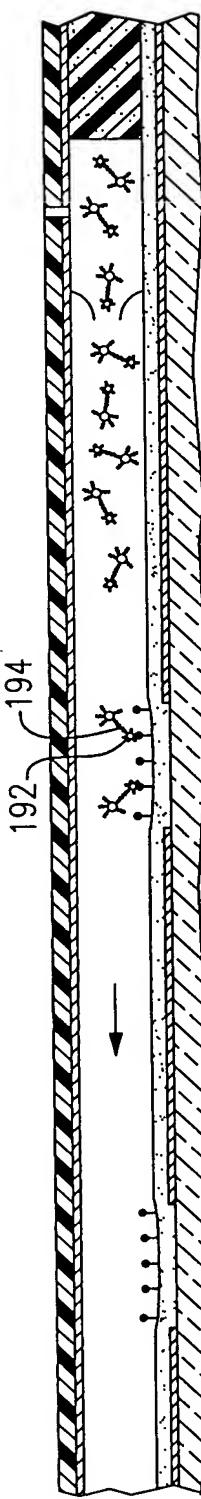


FIG.26C

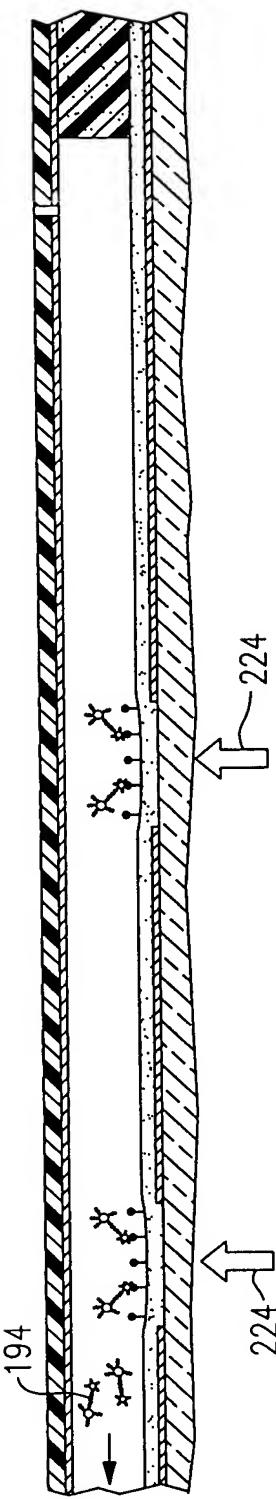


FIG.26D

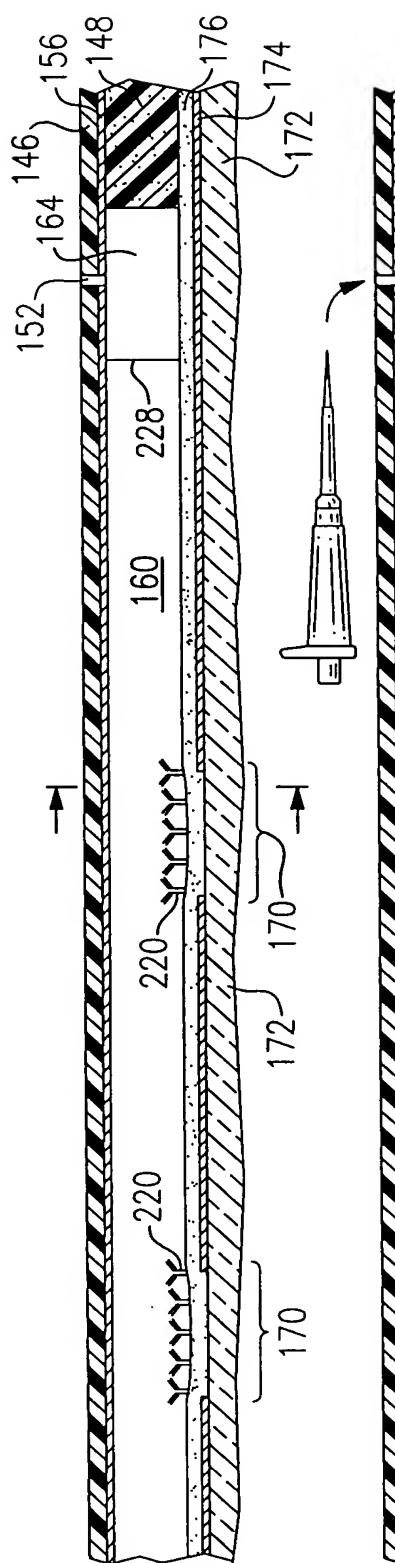


FIG.27A

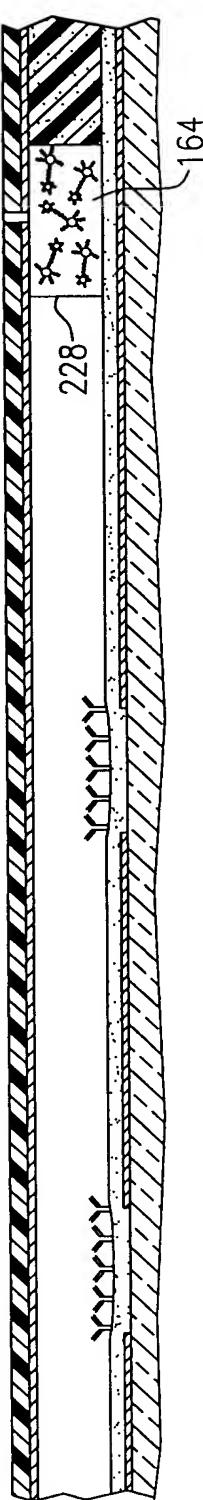


FIG.27B

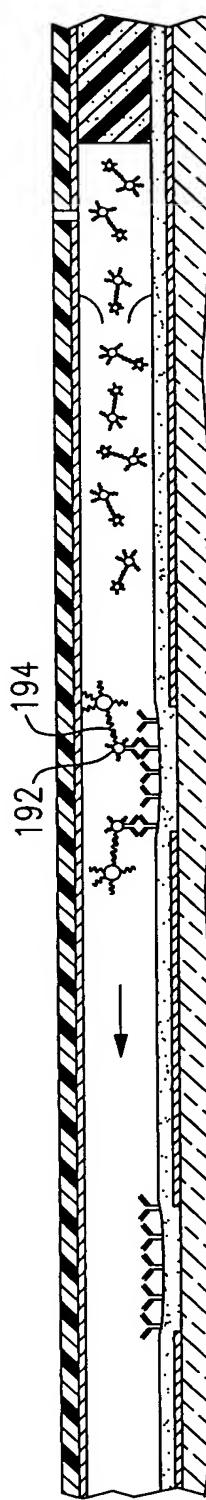


FIG.27C

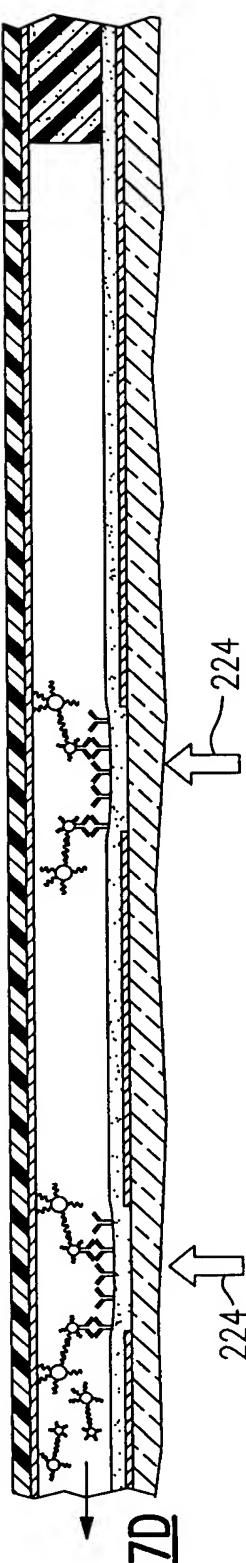


FIG.27D

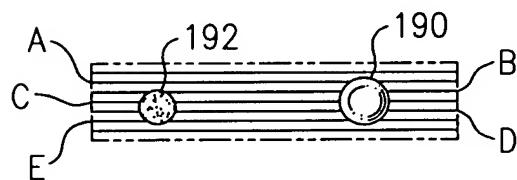


FIG.28A

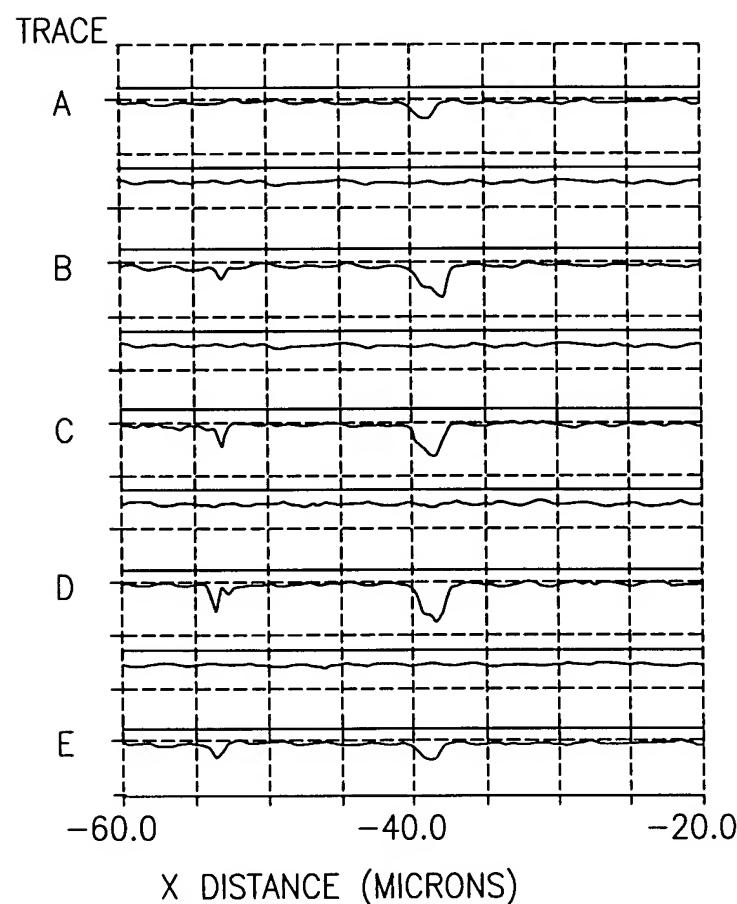


FIG.28B

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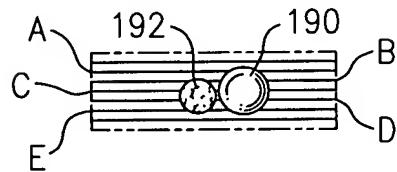


FIG.29A

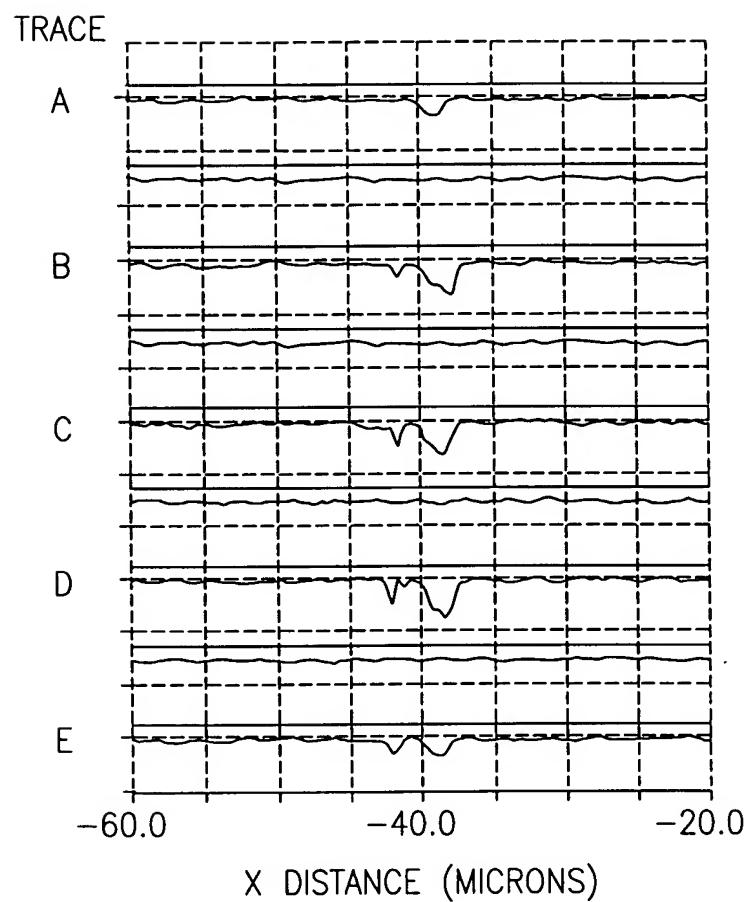
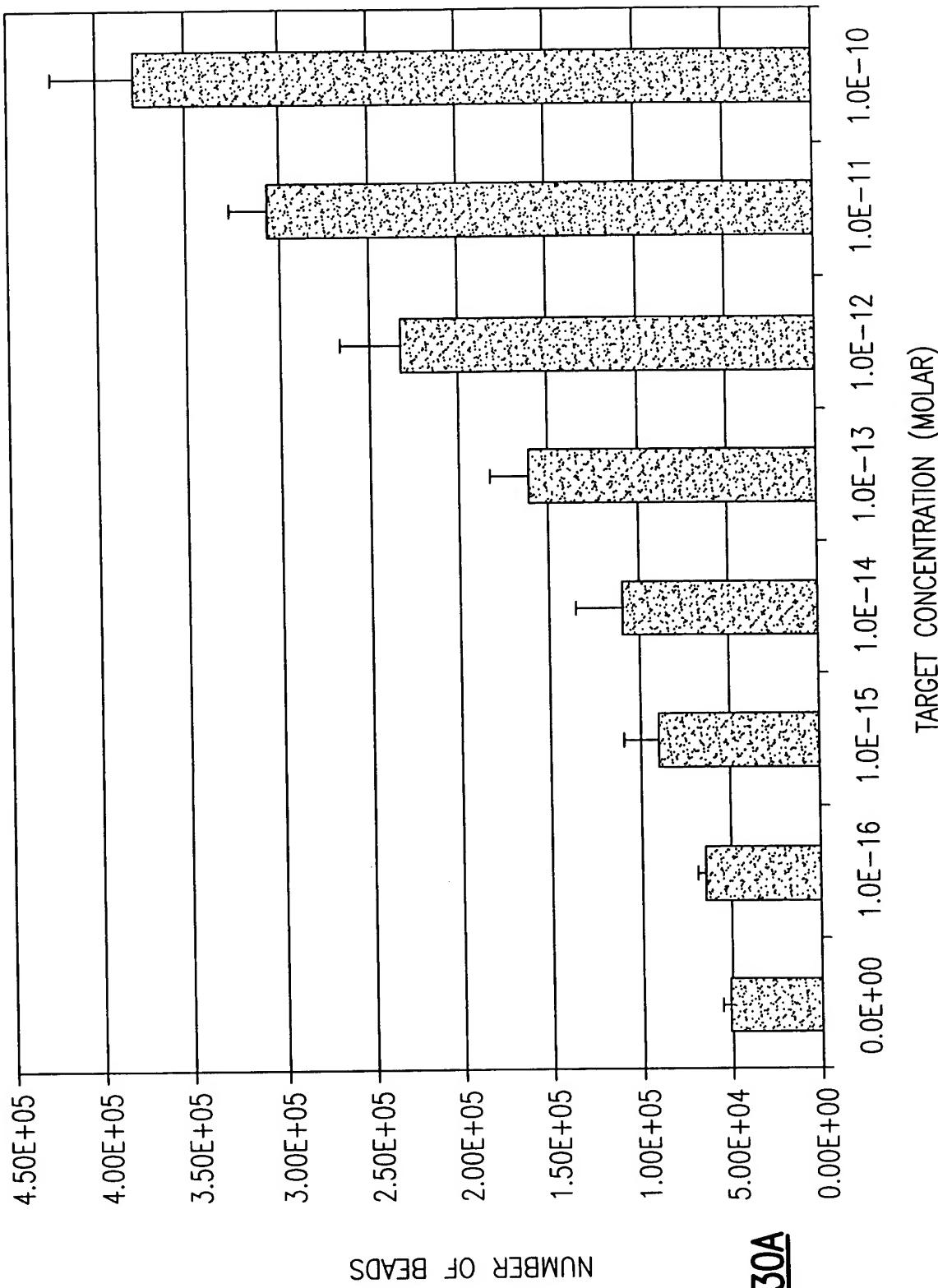


FIG.29B



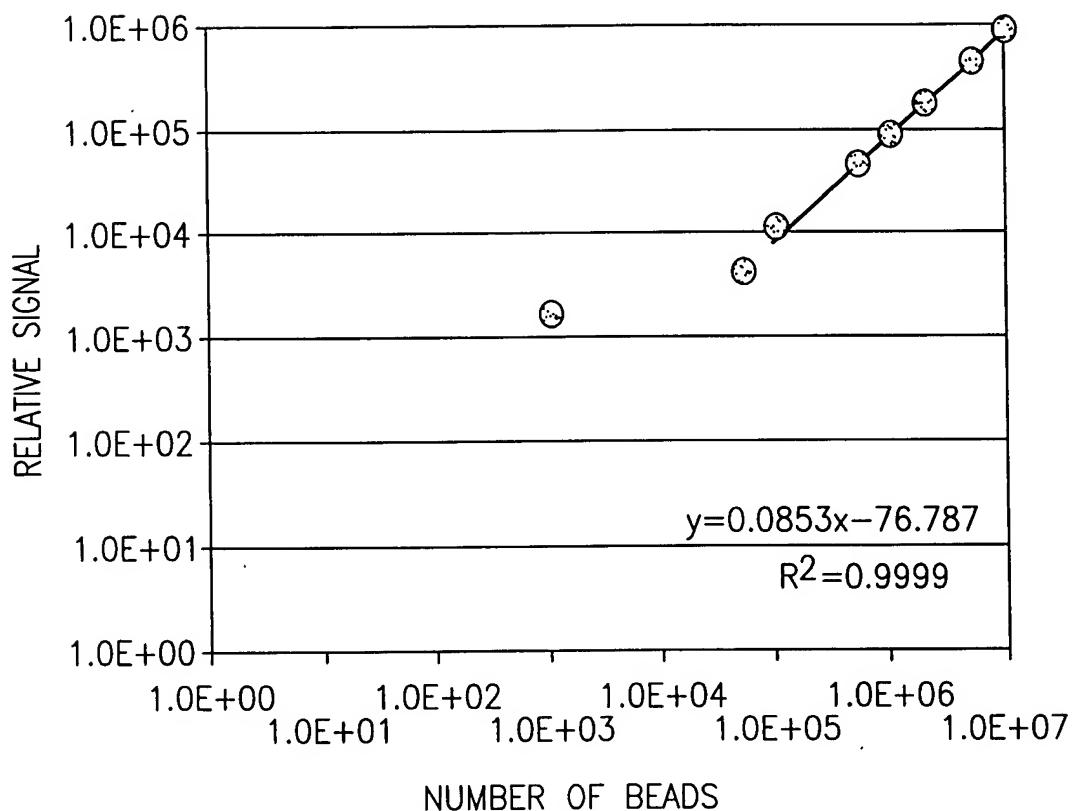


FIG.30B

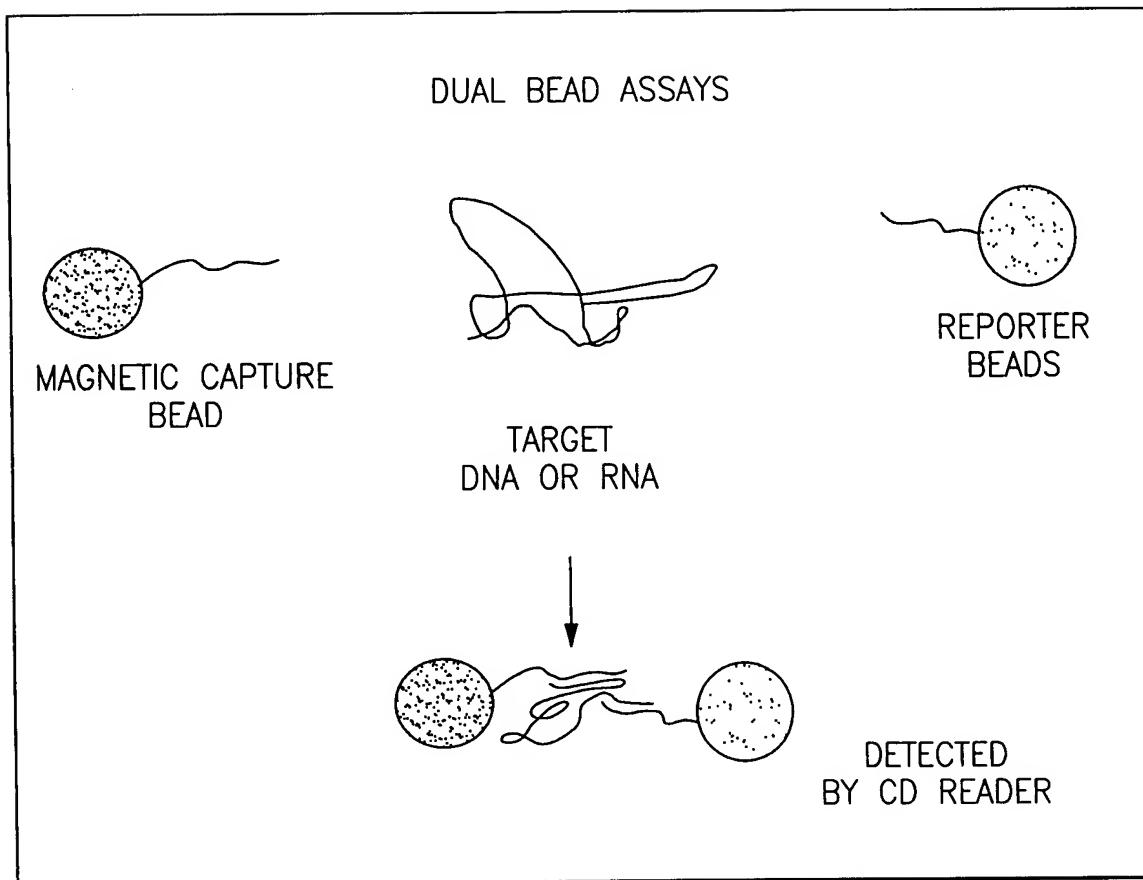


FIG.30C

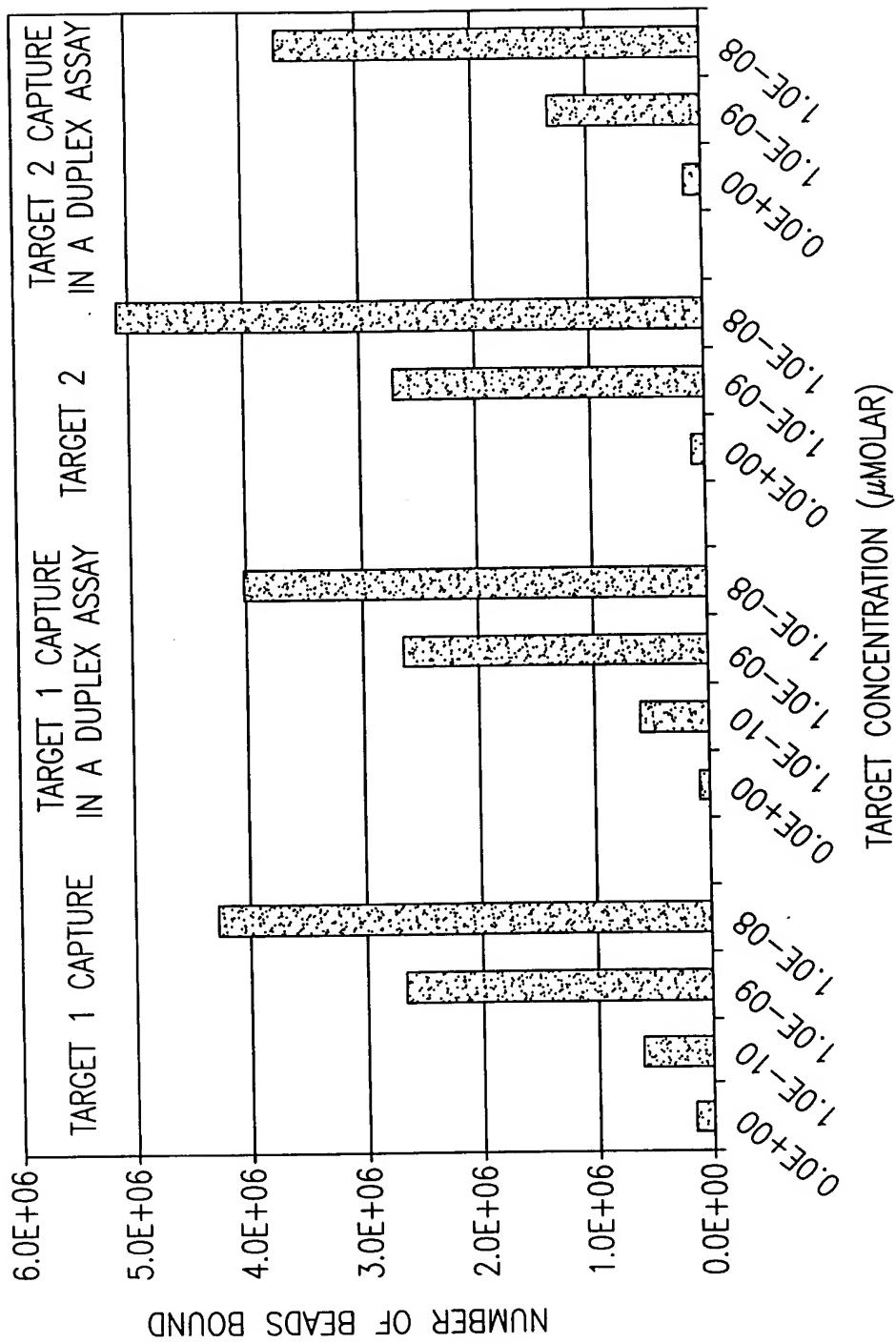


FIG.31

DUAL BEAD ASSAY MULTIPLEXING

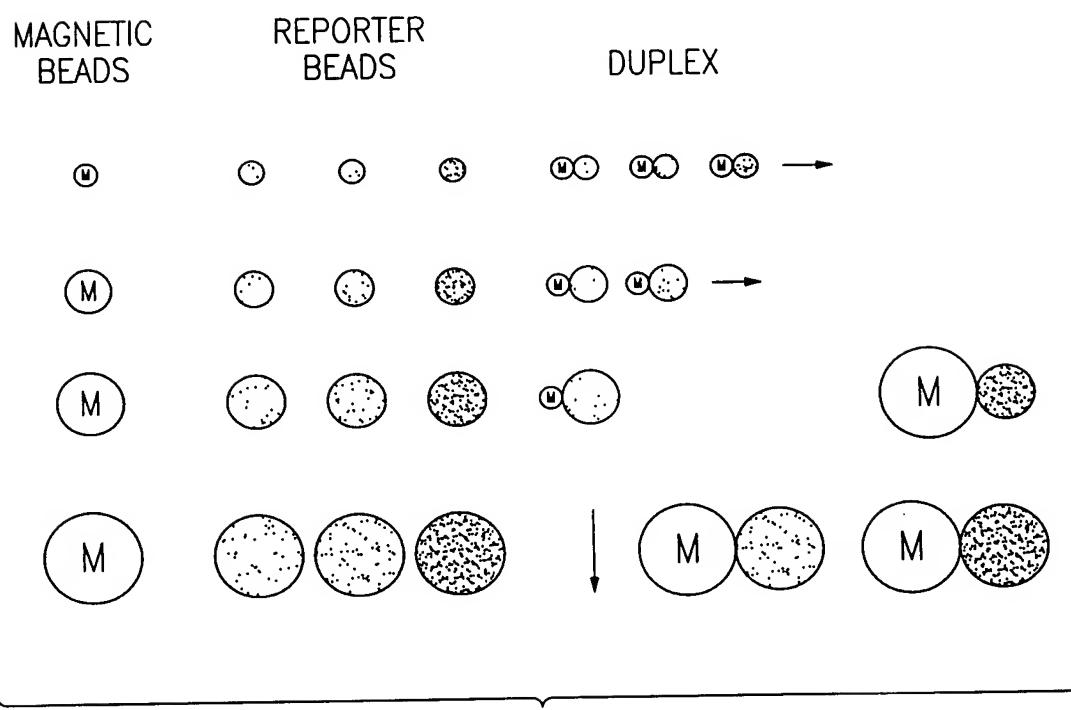
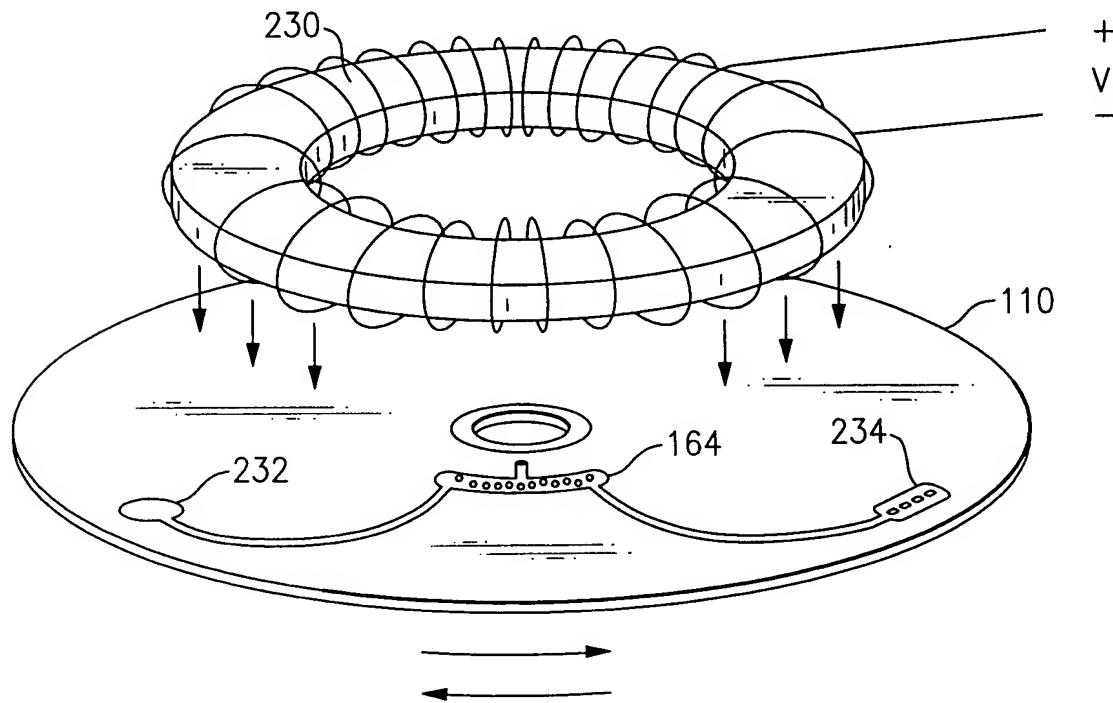
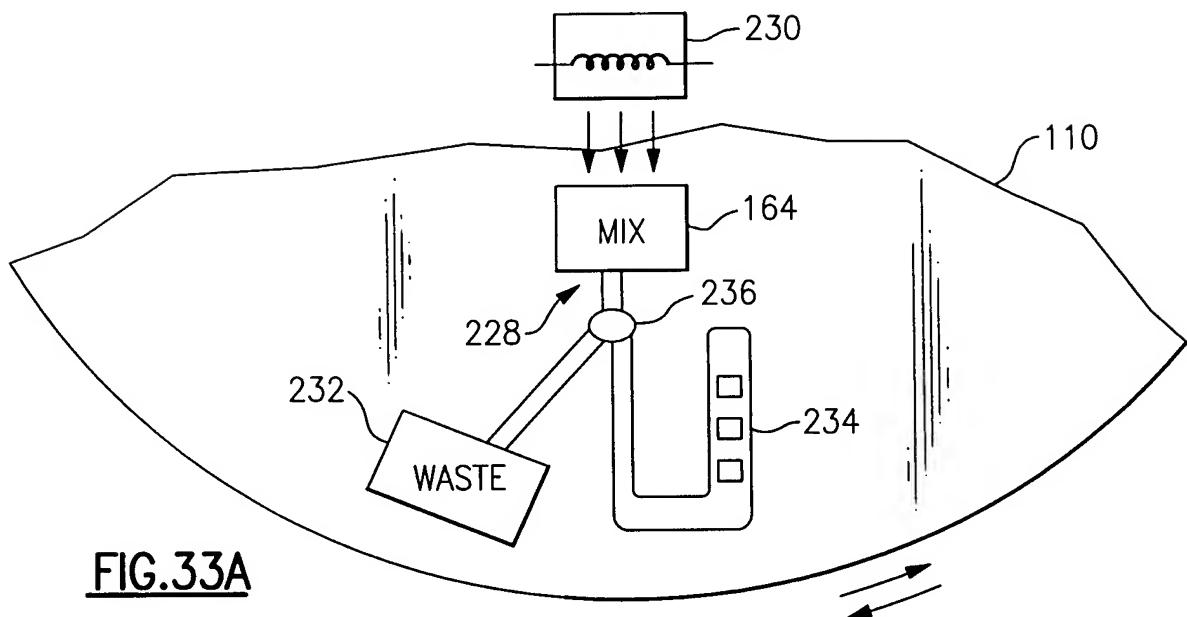


FIG.32

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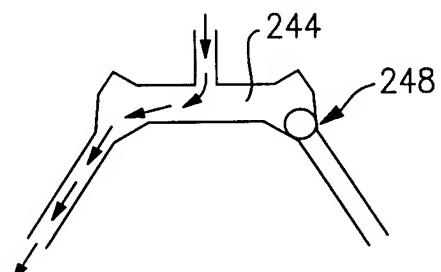
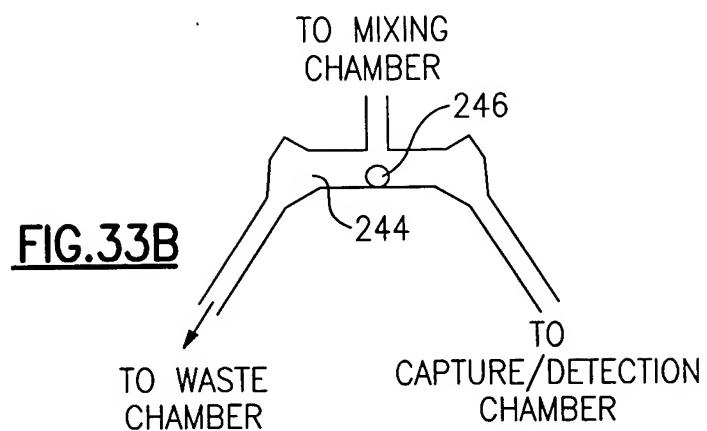


FIG.33C

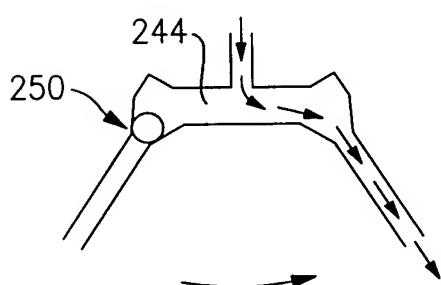
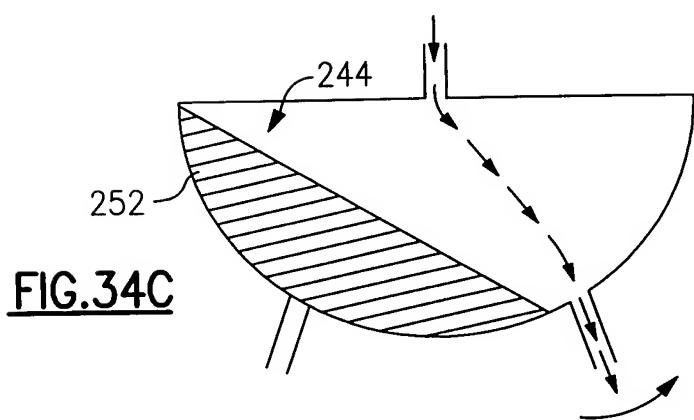
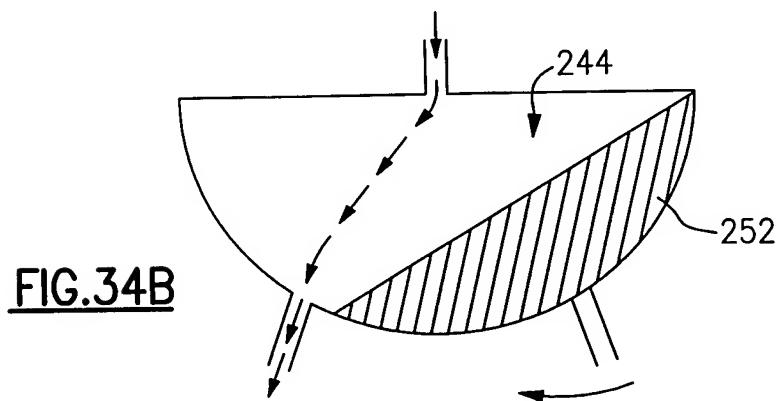
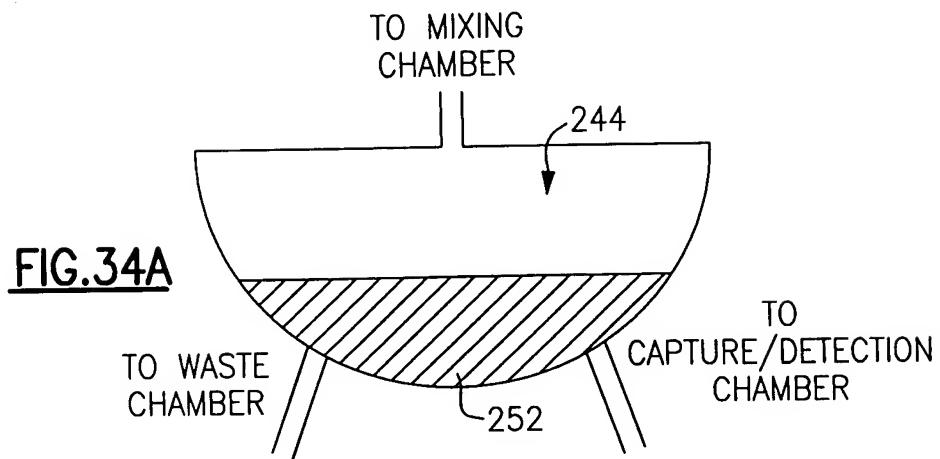


FIG.33D



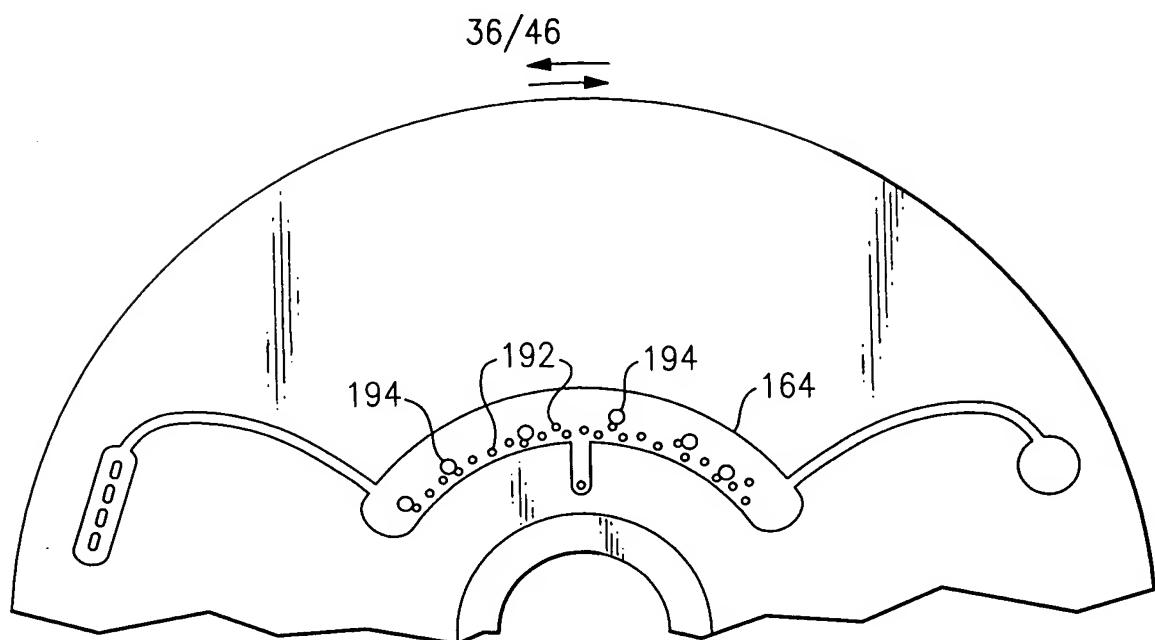


FIG.36A

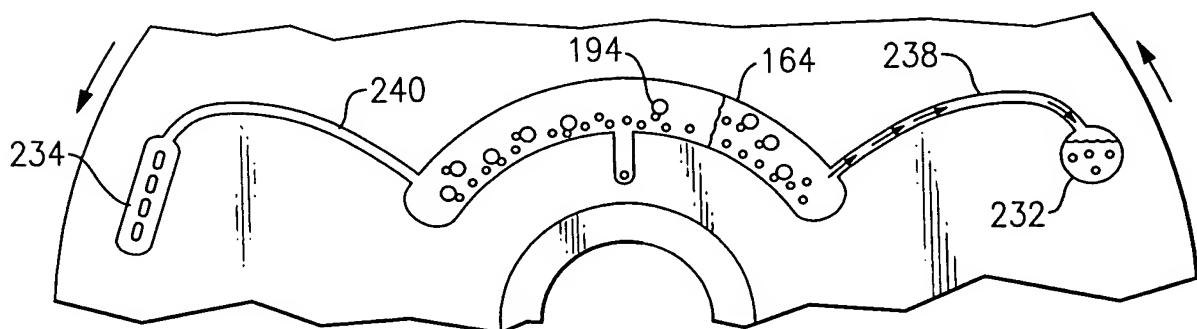


FIG.36B

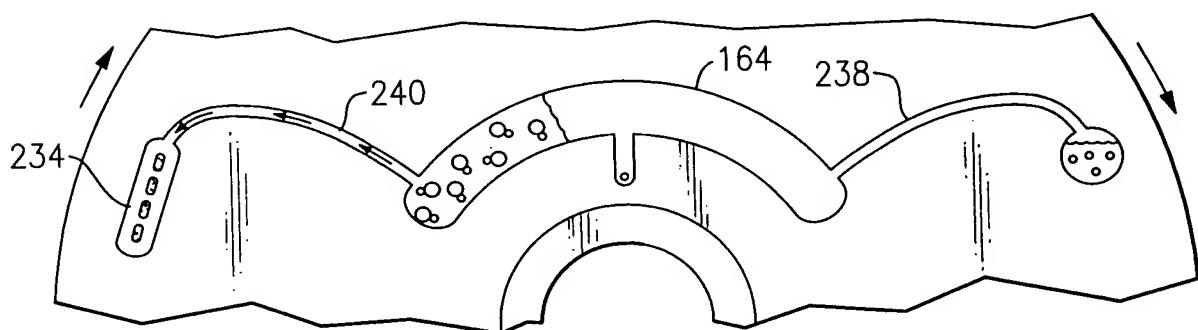


FIG.36C

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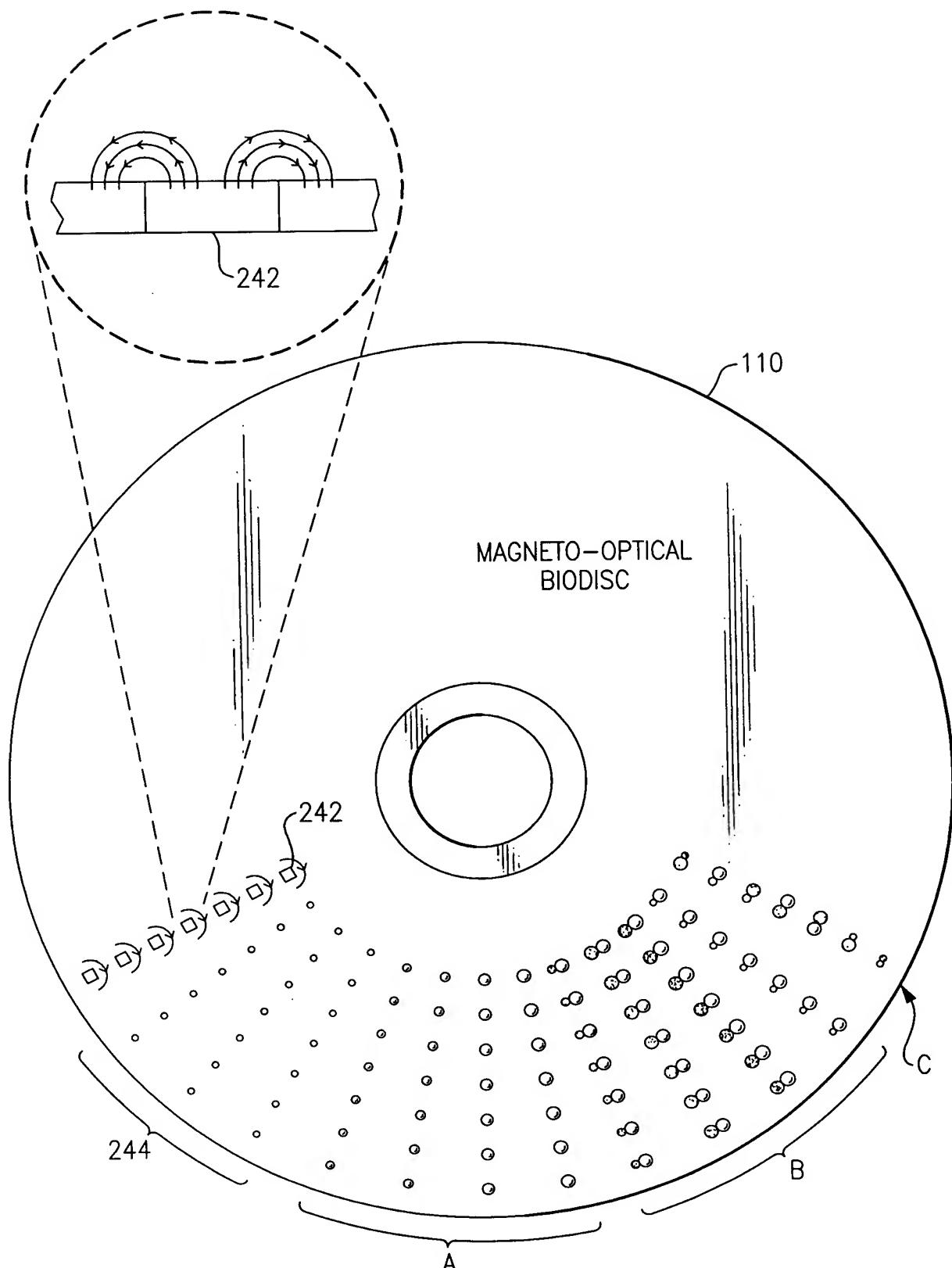
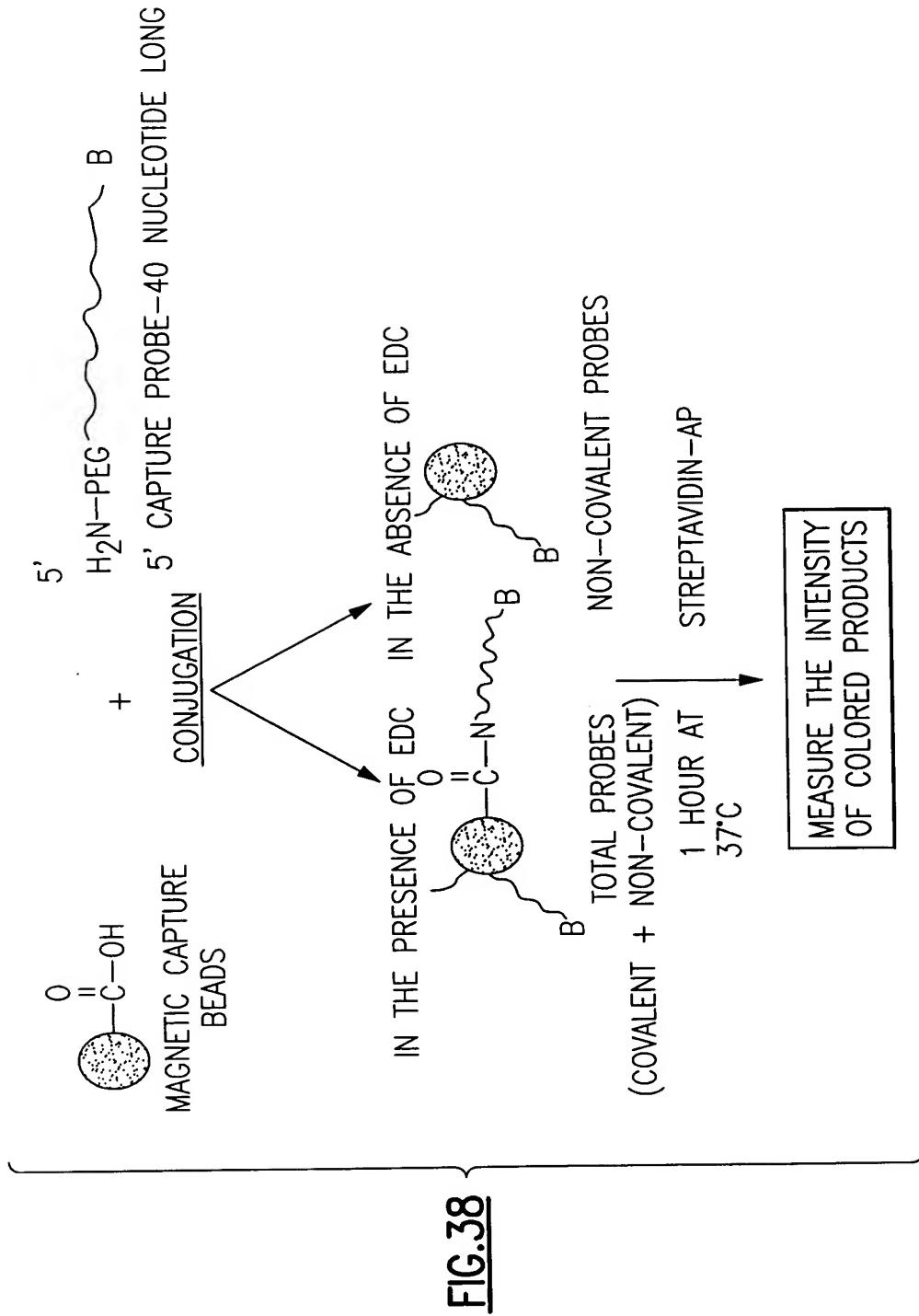


FIG.37



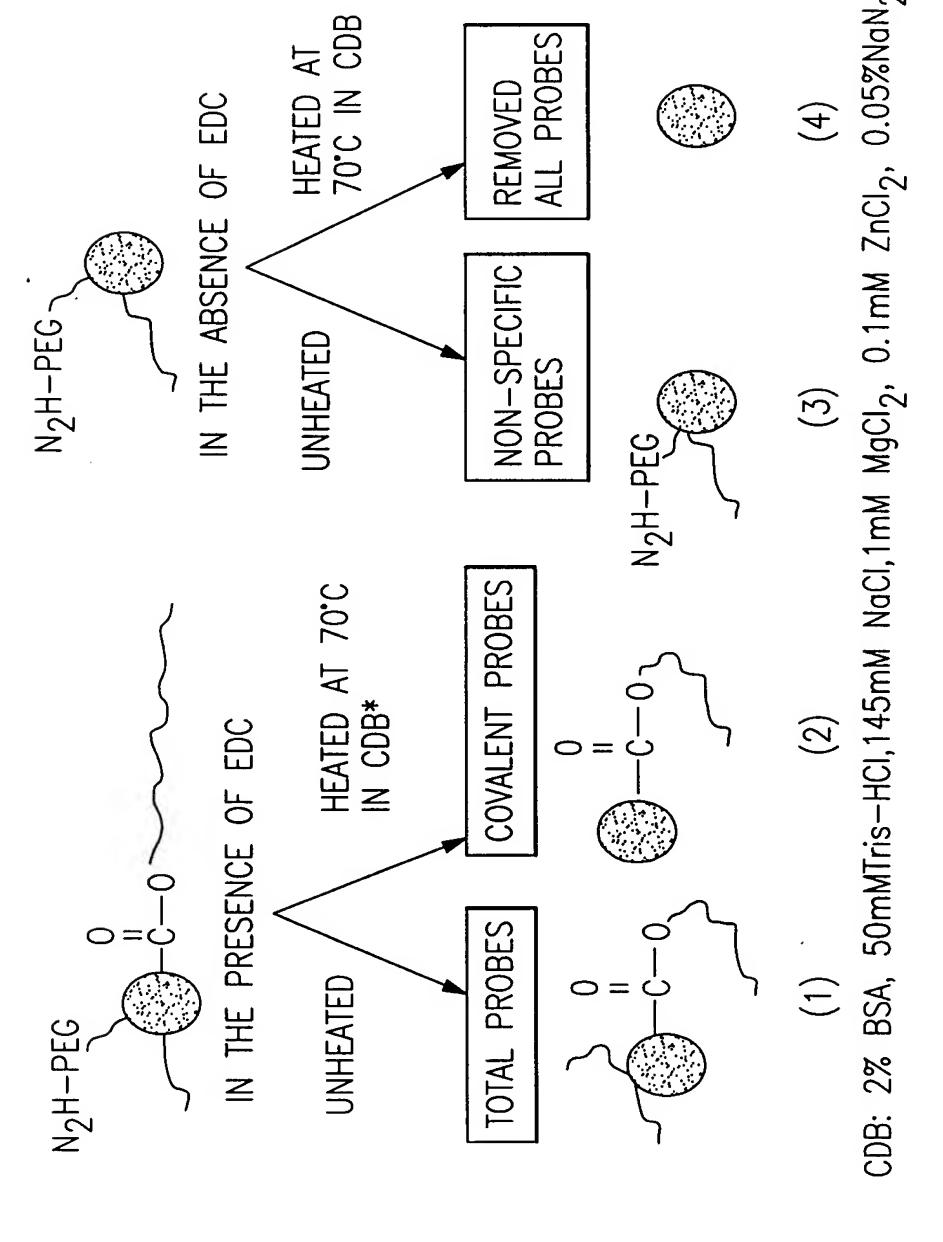


FIG.39

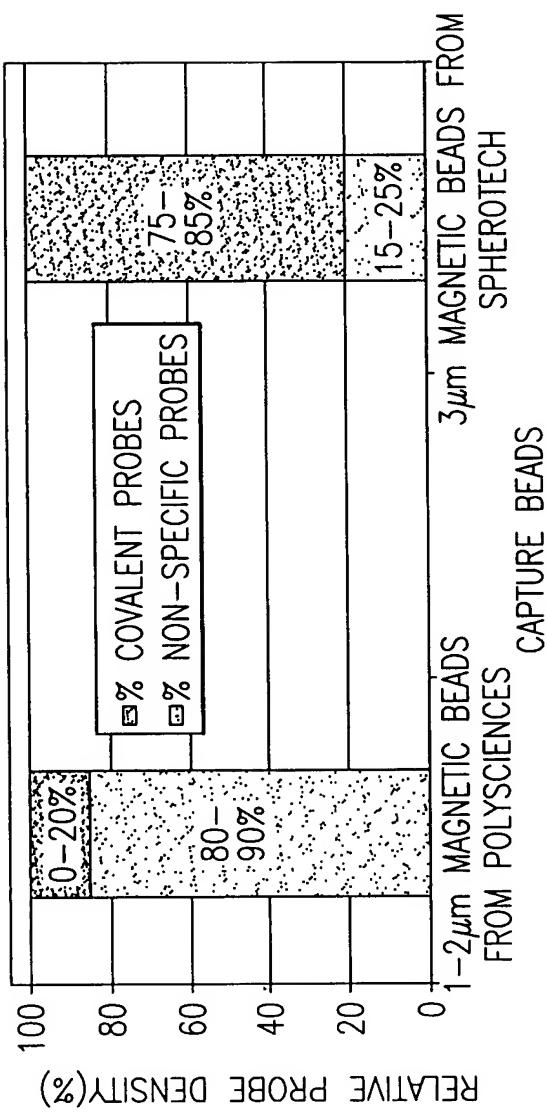


FIG.40A

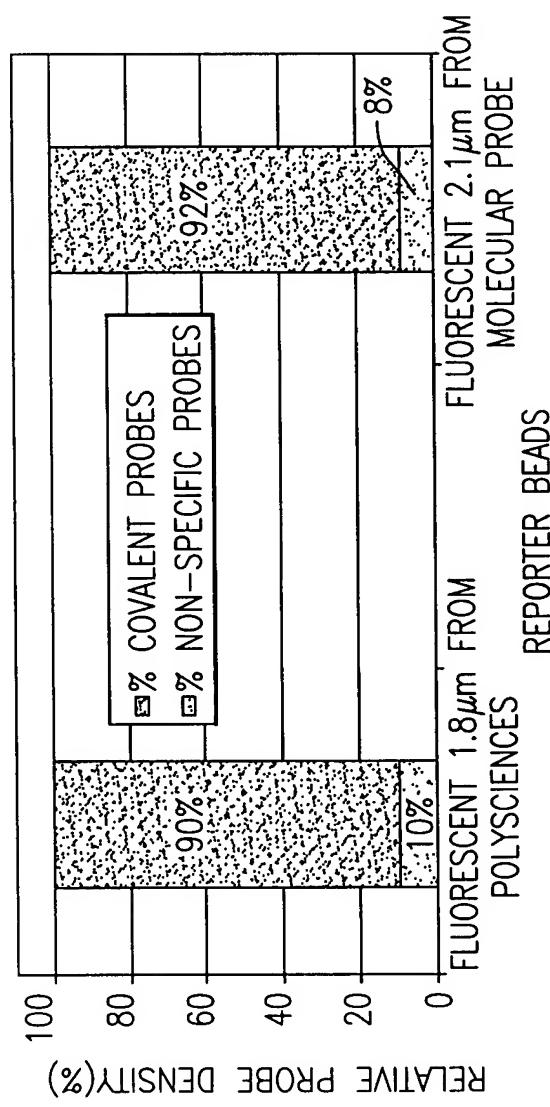


FIG.40B

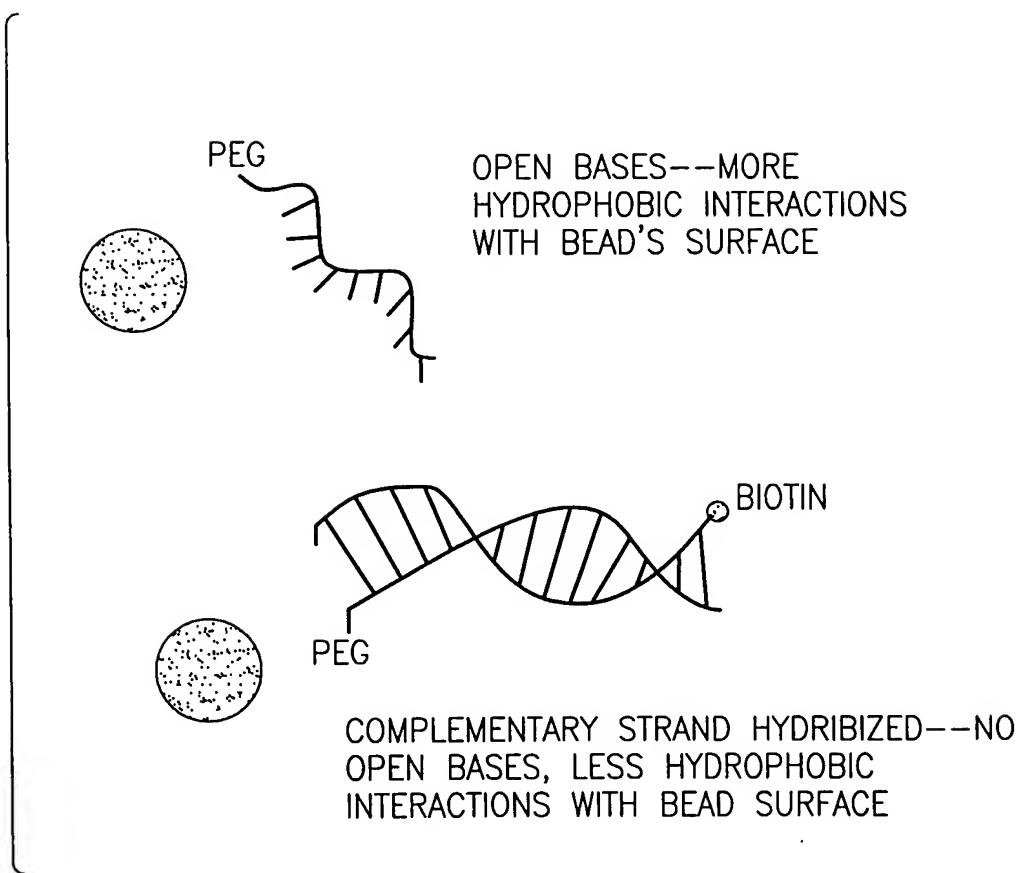


FIG.41A

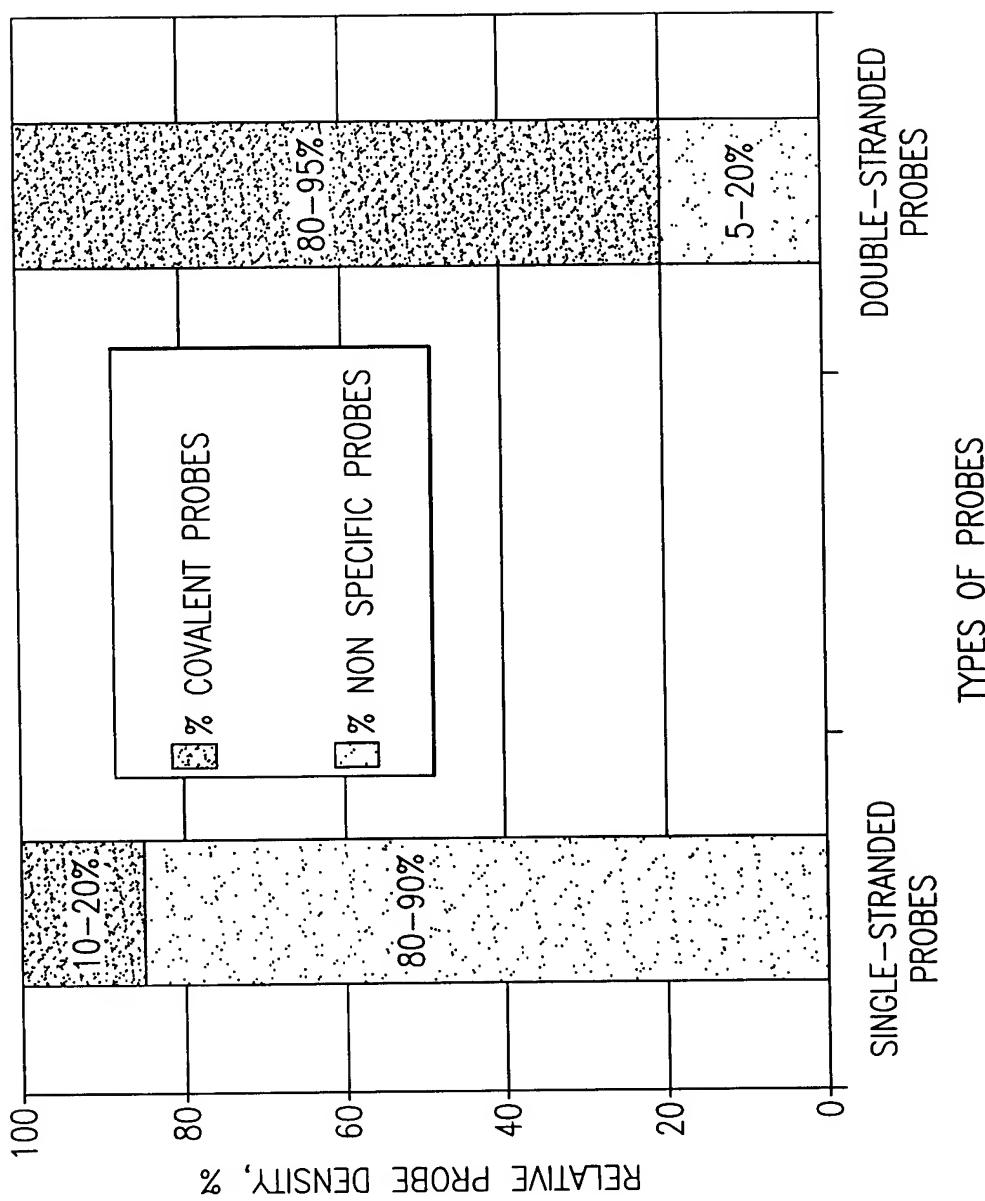


FIG.41B

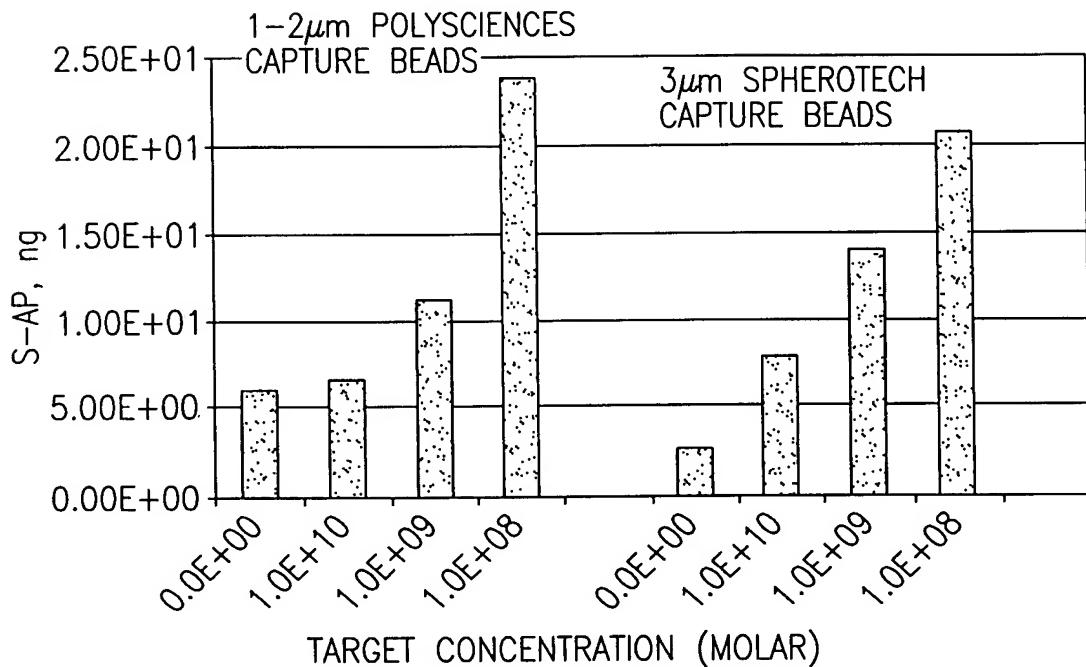


FIG.42A

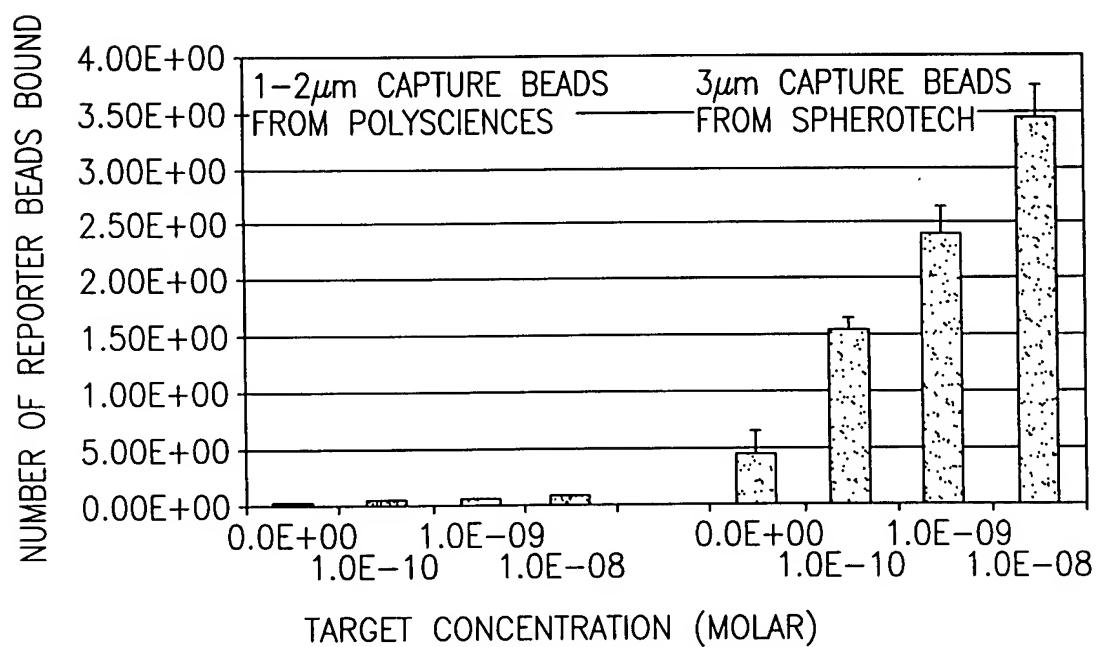


FIG.42B

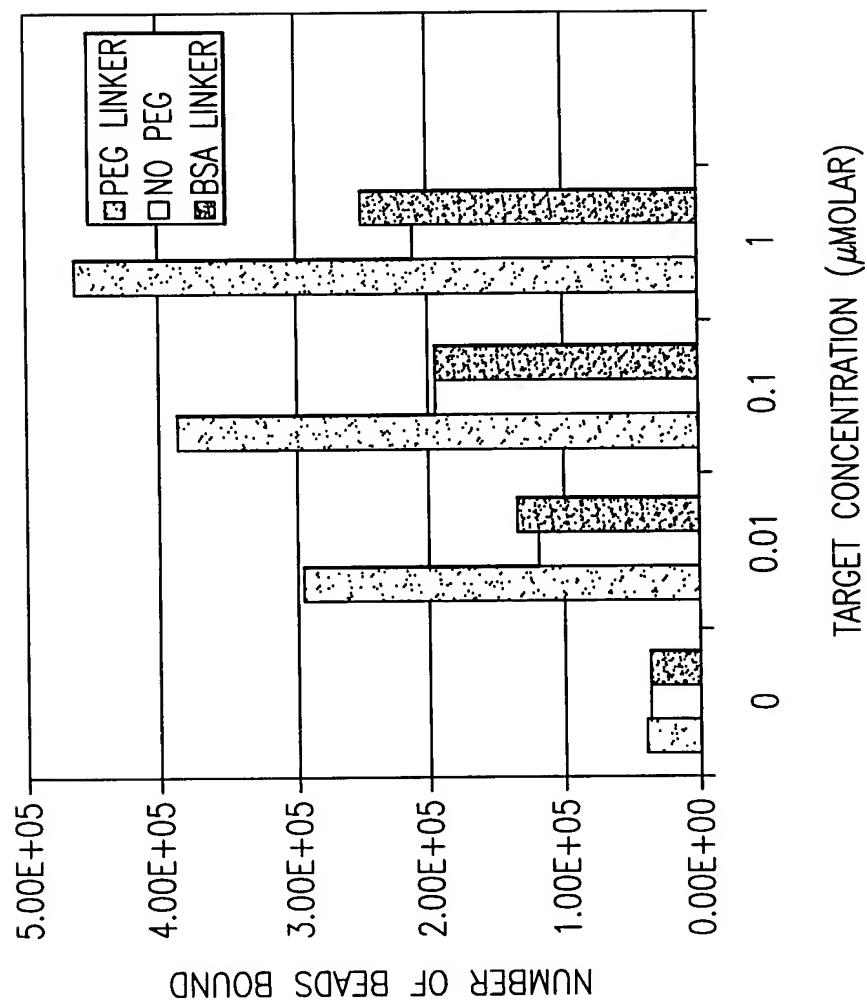


FIG.43

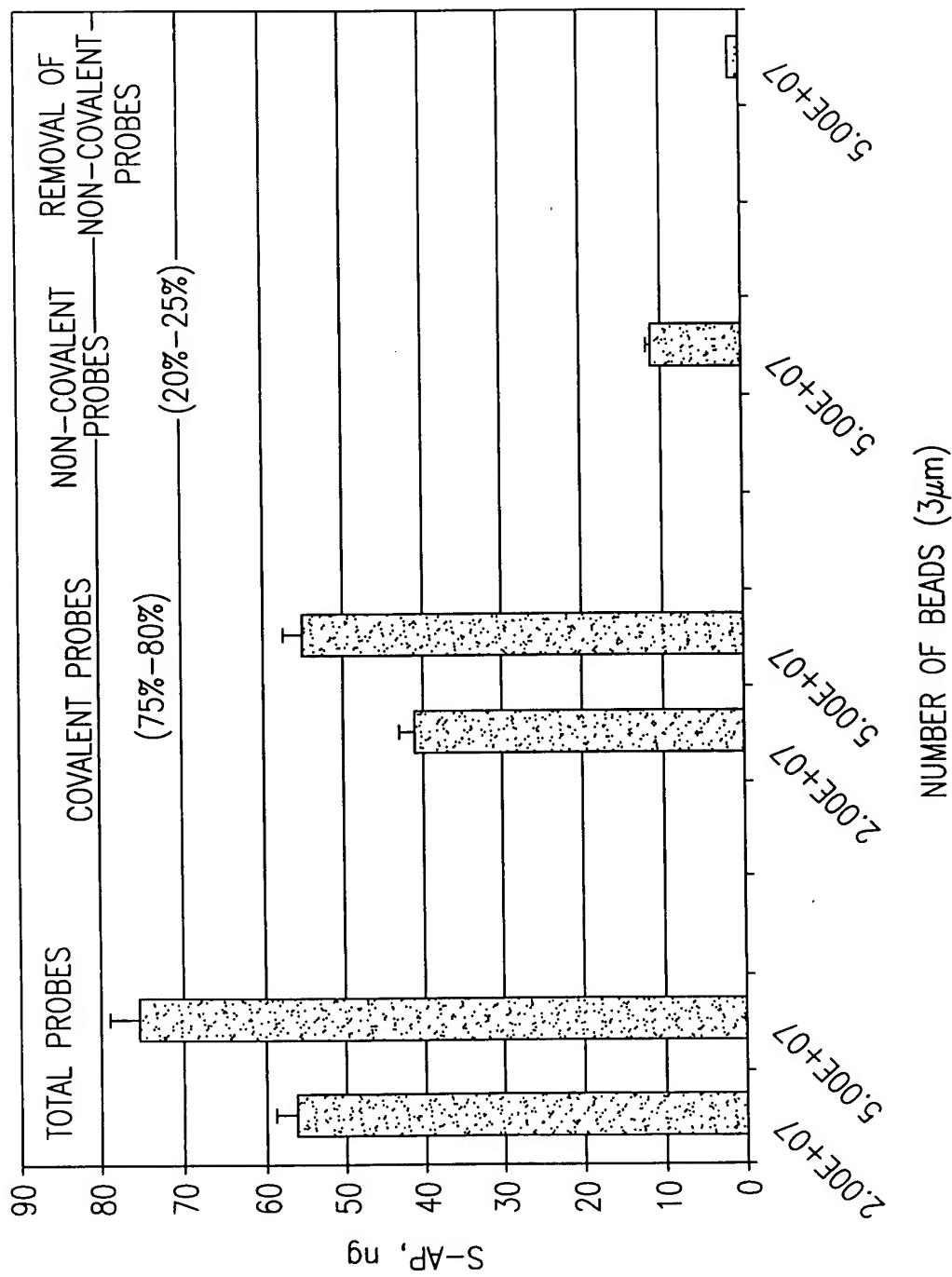


FIG. 44

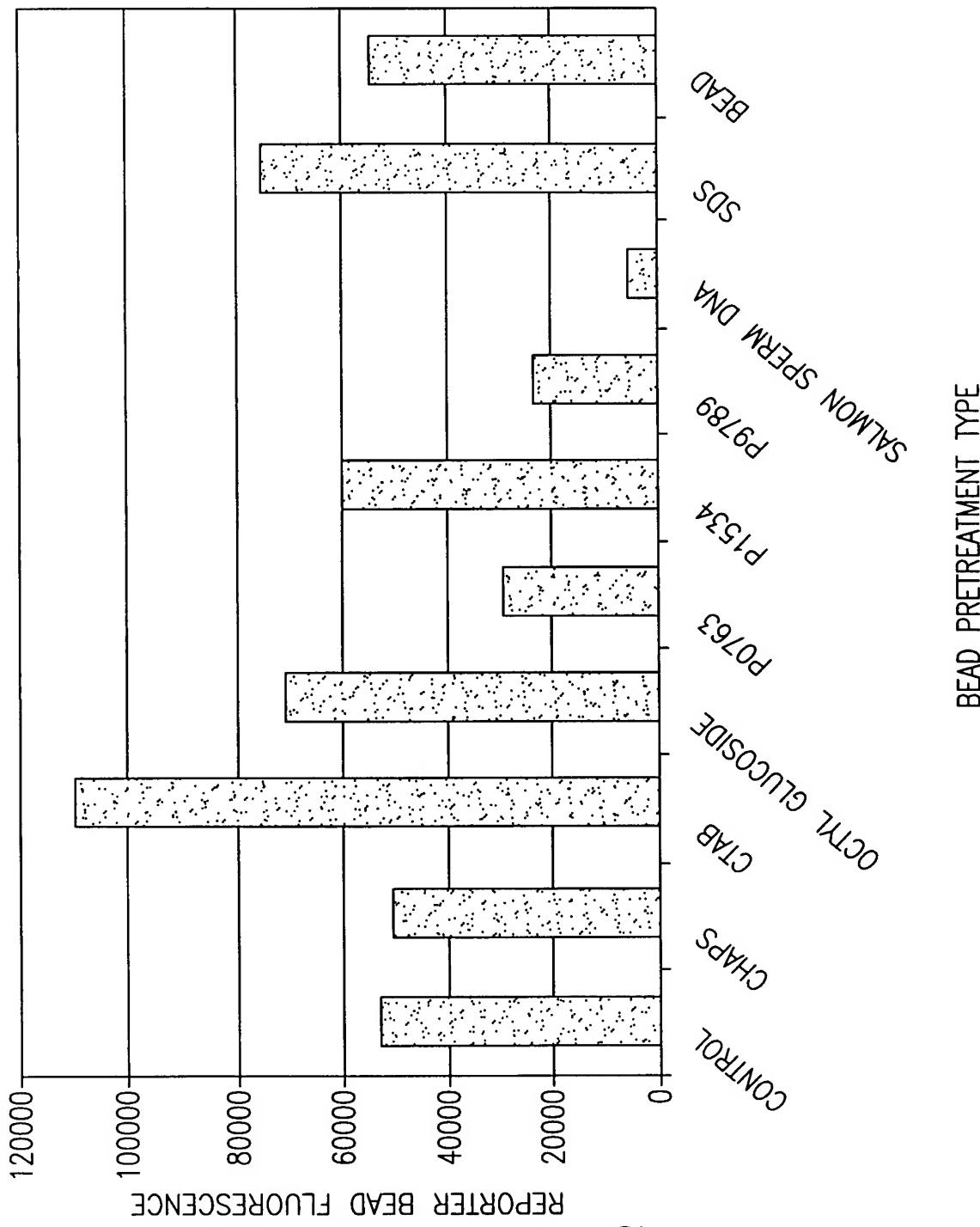


FIG.45